

Deaths

Notice: Deaths in year 2001 were coded using the new ICD-10 coding system. (see Technical Notes page 144)

There were 24,590 resident deaths recorded in Kansas during 2001, a decrease of 0.4 percent from the 2000 total of 24,676. (Table 35)

Republic, Elk and Smith counties had the highest five-year (1997-2001) county death rates of 17.6, 17.3, and 17.1 deaths per 1,000 population respectively. Riley, Douglas, and Finney counties had the lowest five-year death rates of 4.7, 5.3, and 5.4 deaths per 1,000 population respectively. (Table 35, Figure 30)

Belleville, Eureka, and Neodesha had the highest five-year city death rates (1997-2001) of 27.4, 22.5, and 20.1 respectively. Olathe, Lawrence, and Shawnee experienced the lowest five-year city death rates of 4.6, 4.7, and 5.3 respectively. (Table 36)

The Kansas death rate in 2001 was 9.1 deaths per 1,000 population, which was 4.6 percent higher than the estimated U.S. rate of 8.7 deaths per 1,000 population. (Figure 31)

The Kansas age-adjusted death rate per 1,000 standard U.S. 2000 population has been consistently below that of the U.S. during the 1990s. (Table 38, Figure 32)

The state's 2001 age-adjusted death rate for males (10.3) was 45.1 percent higher than the rate of 7.1 for females. (Table 38)

The average age at death of Kansas residents in 2001 was 74.2 years, a 2.1 percent increase from the average age at death of 72.7 years in 1991. (Figure 33, Table 39)

The average age at death for the white population in 2001 was 75.0 years, over eleven years older than that of the black population, whose average age at death was 63.2 years. (Table 40)

The two leading causes of death in Kansas in 2001, heart disease and malignant neoplasms, had average ages at death of 79.2 and 71.8 years respectively. Atherosclerosis, with an average age at death of 86.1 years, had the highest average age at death of any of the leading causes of death. (Table 43)

The average age at death for male unintentional injury victims for 1991 and 2001 was 44.1 and 46.2 respectively, while for females the average age was 52.7 and 58.3 years respectively. For this time period, the average age at death increased for female unintentional injury victims 10.6 percent while for male unintentional injury victims it increased 4.8 percent. (Table 43)

The cause-specific death rate for Alzheimer's Disease in Kansas was 23.8 deaths per 100,000 population in 2001. The rate for females (32.4) was more than twice as high as the rate for males (14.9). (Table 43)

Deaths (Cont.)

The cancer death rate for 2001 was 201.5 deaths per 100,000 population, 2.0 percent lower than the rate of 205.5 in 1991. (Tables 43 and 44)

In 2001, the unintentional injury death rate was 44.2 deaths per 100,000 population, 16.0 percent higher than the rate of 38.1 in 1991. (Tables 43 and 44)

The age-adjusted death rate for the leading cause of death, heart disease, was 225.8, and for cancer, the second leading cause of death, the age-adjusted death rate was 194.1 per 100,000 standard U.S. 2000 population. Together, these two causes accounted for almost 50 percent of all Kansas resident deaths. (Table 44)

Heart disease reached a high of 393.4 deaths per 100,000 population in 1973 and gradually declined to 248.3 deaths per 100,000 population in 2001. Conversely, cancer rates steadily increased from 140.6 to 207.1 deaths per 100,000 population from 1956 to 1996, but have declined since 1996, to 201.5 in 2001. (Figure 34)

In 2001, Kansans died from cerebrovascular disease at slightly more than half the rate of forty years ago, with the death rates for this disease going from 126.5 in 1961 to 68.4 in 2001. The death rate for unintentional injury also declined, going from 57.7 in 1961 to 44.2 in 2001, a 23.4 percent decrease. (Figure 34)

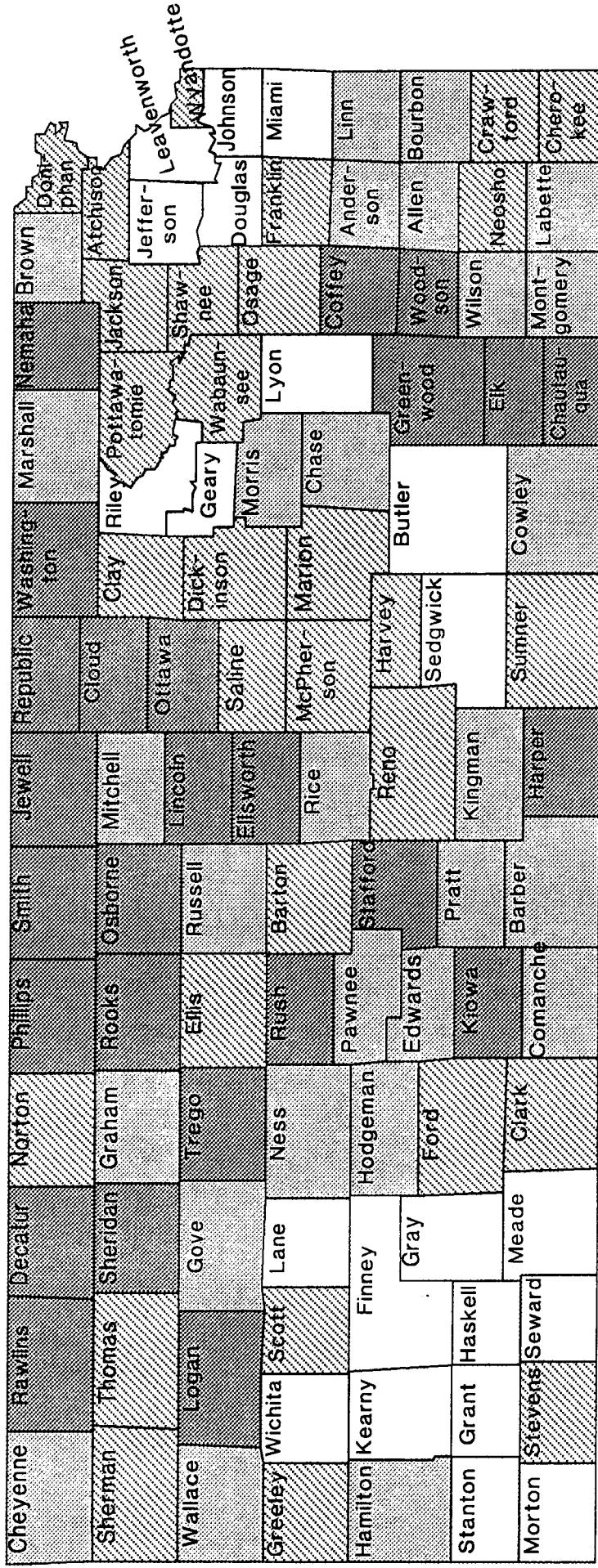
In 2001, unintentional injuries were the leading cause of death for Kansas residents 1-44 years of age. (Figure 35)

In 2001, cancer of the respiratory and intrathoracic organs, digestive organs and breast were the leading causes of cancer deaths in women. (Table 46)

The dominant occupations for deaths due to unintentional injuries, suicides and homicides were operators, fabricators and laborers. (Table 50)

Mortality in Kansas was responsible for 193,043 years of potential life lost in 2001. Cancer was the second leading cause of death in Kansas, but accounted for the most years of potential life lost (42,510). Unintentional injuries represented nearly two times the years of potential life lost among men (21,762 years) compared to women (10,975 years). (Table 52, Figure 36)

Death Rates By County Of Residence Kansas, 2001



Deaths Per 1,000 Population

State Rate: 9.1

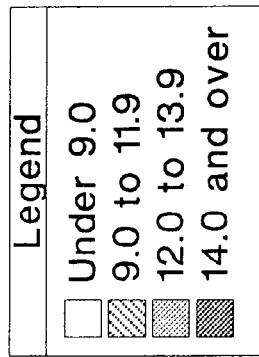


Figure 30

Table 35
 Deaths By Number And Rate*
 By County Of Residence And By Peer Group**
 Kansas, 1997-2001

County of Residence	Year										5-Year Rate	
	1997		1998		1999		2000		2001			
	Number	Rate										
Kansas.....	23,609	9.1	23,928	9.1	24,380	9.2	24,676	9.2	24,590	9.1	7.3	
Allen.....	183	12.7	183	12.6	195	13.5	169	11.7	192	13.5	12.8	
Anderson.....	99	12.3	103	12.8	91	11.2	104	12.8	99	12.1	12.2	
Atchison.....	181	11.1	203	12.0	190	11.3	183	10.9	172	10.3	11.1	
Barber.....	88	16.3	93	17.4	74	14.1	73	13.8	66	12.8	14.9	
Barton.....	302	10.8	311	11.3	350	12.2	351	12.4	315	11.3	11.6	
Bourbon.....	210	13.8	222	14.5	196	13.1	221	14.4	186	12.1	13.6	
Brown.....	160	14.5	151	13.6	134	12.3	135	12.6	129	12.1	13.0	
Butler.....	474	7.9	482	7.8	512	8.2	580	9.8	492	8.2	8.4	
Chase.....	39	13.5	46	15.6	53	18.6	37	12.2	40	13.2	14.6	
Chautauqua.....	85	19.3	68	15.6	56	13.1	65	14.9	76	17.8	16.1	
Cherokee.....	280	12.4	274	12.1	259	11.6	281	12.4	261	11.7	12.0	
Cheyenne.....	40	12.5	42	13.2	33	10.2	43	13.6	42	13.5	12.6	
Clark.....	41	16.8	42	17.8	37	15.8	27	11.3	22	9.3	14.2	
Clay.....	145	15.7	118	12.9	117	13.0	107	12.1	99	11.3	13.0	
Cloud.....	146	14.3	161	16.1	150	15.0	175	17.0	154	15.4	15.6	
Coffey.....	97	11.1	106	12.2	84	9.6	94	10.6	129	14.6	11.6	
Comanche.....	49	24.2	18	8.9	40	20.5	31	15.8	25	12.7	16.4	
Cowley.....	406	11.1	405	11.2	475	12.9	439	12.1	437	12.2	11.9	
Crawford.....	465	12.9	479	13.2	456	12.5	483	12.6	444	11.7	12.6	
Decatur.....	64	18.1	58	16.8	49	14.5	47	13.5	59	17.2	16.0	
Dickinson.....	232	11.8	270	13.7	274	13.9	226	11.7	224	11.7	12.6	
Doniphan.....	84	11.0	87	11.1	82	10.3	108	13.1	90	10.8	11.3	
Douglas.....	439	4.8	514	5.5	498	5.1	538	5.4	549	5.5	5.3	
Edwards.....	46	13.4	57	17.2	56	17.1	45	13.0	40	12.0	14.5	
Elk.....	36	10.7	57	17.0	65	19.2	72	22.1	56	17.6	17.3	
Ellis.....	225	8.5	240	9.1	241	9.2	229	8.3	249	9.1	8.8	
Ellsworth.....	100	15.9	91	14.5	70	11.3	103	15.8	93	14.3	14.4	
Finney.....	195	5.4	212	5.8	193	5.2	225	5.6	207	5.2	5.4	
Ford.....	259	8.9	244	8.3	274	9.3	262	8.1	295	9.1	8.7	
Franklin.....	296	12.4	271	10.9	231	9.2	245	9.9	237	9.5	10.4	
Geary.....	182	7.2	232	9.1	229	9.2	197	7.0	204	7.6	8.0	
Gove.....	46	14.9	45	14.7	48	15.9	32	10.4	41	13.6	13.9	
Graham.....	36	11.1	41	12.8	38	12.2	43	14.6	38	13.4	12.8	
Grant.....	60	7.6	59	7.4	51	6.5	64	8.1	43	5.5	7.0	
Gray.....	48	8.7	54	9.7	34	6.1	56	9.5	49	8.2	8.4	
Greeley.....	23	13.3	24	14.1	13	7.9	19	12.4	15	10.0	11.5	
Greenwood.....	131	16.3	146	17.9	136	17.1	113	14.7	136	17.5	16.7	
Hamilton.....	29	12.7	30	12.8	32	13.5	31	11.6	32	12.0	12.5	
Harper.....	119	18.3	81	12.6	108	17.1	107	16.4	96	15.2	15.9	
Harvey.....	339	10.7	344	10.0	353	10.3	367	11.2	323	9.8	10.4	
Haskell.....	24	6.0	22	5.5	38	9.4	30	7.0	36	8.4	7.3	
Hodgeman.....	24	10.8	25	11.3	25	11.2	14	6.7	26	12.1	10.4	
Jackson.....	154	12.8	141	11.6	144	11.8	130	10.3	141	11.1	11.5	
Jefferson.....	165	9.2	126	6.9	166	9.1	160	8.7	150	8.1	8.4	
Jewell.....	52	13.1	52	13.4	66	17.4	67	17.7	56	15.6	15.4	
Johnson.....	2,327	5.6	2,455	5.7	2,689	6.1	2,661	5.9	2,855	6.1	5.9	
Kearny.....	46	11.0	29	6.9	48	11.6	38	8.4	28	6.1	8.8	
Kingman.....	100	11.7	86	10.1	122	14.1	99	11.4	114	13.4	12.1	
Kiowa.....	35	10.2	38	11.0	45	13.4	42	12.8	47	15.0	12.5	
Labette.....	284	12.4	298	12.9	276	12.0	324	14.2	303	13.5	13.0	
Lane.....	15	6.9	25	11.0	35	16.1	20	9.3	18	8.6	10.4	
Leavenworth.....	488	7.0	508	7.1	518	7.2	443	6.4	562	8.0	7.1	
Lincoln.....	48	14.4	58	17.4	48	14.4	54	15.1	73	20.6	16.4	
Linn.....	121	13.3	122	13.3	130	14.0	114	11.9	129	13.3	13.2	
Logan.....	45	14.8	36	12.1	37	12.6	50	16.4	44	14.9	14.2	

Table 35
 Deaths By Number And Rate*
 By County Of Residence And By Peer Group**
 Kansas, 1997-2001

County of Residence	Year										5-Year Rate	
	1997		1998		1999		2000		2001			
	Number	Rate										
Lyon.....	293	8.6	294	8.7	280	8.3	323	9.0	280	7.9	8.5	
Marion.....	168	13.0	173	12.7	188	13.9	210	15.7	136	10.1	13.1	
Marshall.....	174	15.6	164	14.9	155	14.2	139	12.7	146	13.6	14.2	
McPherson.....	310	11.2	344	12.0	336	11.7	344	11.6	336	11.3	11.6	
Meade.....	65	14.8	53	12.0	53	12.0	53	11.4	38	8.2	11.7	
Miami.....	254	9.7	247	9.3	228	8.4	265	9.3	253	8.8	9.1	
Mitchell.....	106	15.1	111	16.0	100	14.4	110	15.9	82	12.1	14.7	
Montgomery.....	473	12.7	473	12.8	472	12.8	486	13.4	472	13.3	13.0	
Morris.....	83	13.4	82	13.3	75	12.1	83	13.6	77	12.6	13.0	
Morton.....	29	8.6	34	9.9	22	6.3	33	9.4	27	8.0	8.4	
Nemaha.....	145	14.1	154	15.2	138	13.6	158	14.7	169	16.1	14.7	
Neosho.....	192	11.3	204	12.2	205	12.3	207	12.2	192	11.5	11.9	
Ness.....	55	15.1	44	12.2	39	10.9	61	17.7	42	12.6	13.7	
Norton.....	70	12.0	89	15.5	83	14.7	81	13.6	65	11.1	13.4	
Osage.....	187	10.9	166	9.7	181	10.5	171	10.2	191	11.3	10.5	
Osborne.....	75	16.6	71	15.1	79	17.2	74	16.6	70	16.1	16.3	
Ottawa.....	82	14.1	66	11.2	95	16.1	68	11.0	88	14.2	13.3	
Pawnee.....	91	12.6	82	11.0	85	11.8	102	14.1	89	12.8	12.5	
Phillips.....	93	15.3	79	13.0	83	13.9	84	14.0	85	14.5	14.1	
Pottawatomie.....	166	9.1	165	8.8	176	9.3	173	9.5	169	9.2	9.2	
Pratt.....	115	11.8	122	12.6	115	12.1	128	13.3	129	13.5	12.7	
Rawlins.....	39	12.1	39	12.5	42	13.9	48	16.2	41	14.1	13.8	
Reno.....	633	10.1	685	10.8	697	10.9	699	10.8	703	10.9	10.7	
Republic.....	94	15.3	102	16.7	107	17.9	109	18.7	110	19.5	17.6	
Rice.....	128	12.8	130	12.5	132	12.9	136	12.6	131	12.4	12.6	
Riley.....	258	4.1	261	4.1	323	5.1	296	4.7	331	5.5	4.7	
Rooks.....	92	16.1	70	12.4	83	14.8	70	12.3	80	14.3	14.0	
Rush.....	67	19.5	51	14.9	60	17.8	54	15.2	61	17.5	17.0	
Russell.....	108	14.2	89	11.8	114	15.3	106	14.4	98	13.7	13.9	
Saline.....	530	10.3	500	9.7	480	9.3	493	9.2	506	9.4	9.6	
Scott.....	50	10.0	62	12.4	55	11.1	58	11.3	47	9.4	10.8	
Sedgwick.....	3,434	7.8	3,640	8.1	3,477	7.7	3,626	8.0	3,684	8.1	7.9	
Seward.....	138	6.8	131	6.6	124	6.2	160	7.1	151	6.7	6.7	
Shawnee.....	1,580	9.6	1,617	9.8	1,721	10.1	1,757	10.3	1,785	10.5	10.1	
Sheridan.....	35	12.7	26	9.5	41	15.3	27	9.6	46	16.9	12.8	
Sherman.....	70	10.6	72	11.1	77	11.8	73	10.8	67	10.3	10.9	
Smith.....	84	18.0	70	15.3	81	17.7	76	16.8	79	17.8	17.1	
Stafford.....	91	17.8	82	16.4	70	14.0	74	15.5	70	14.7	15.7	
Stanton.....	18	7.7	23	10.2	18	8.1	26	10.8	15	6.2	8.6	
Stevens.....	53	9.8	37	6.9	38	7.0	52	9.5	63	11.7	9.0	
Sumner.....	298	11.0	297	11.0	292	10.7	308	11.9	247	9.6	10.8	
Thomas.....	84	10.3	75	9.3	81	10.2	78	9.5	74	9.2	9.7	
Trego.....	51	15.3	49	14.9	60	18.4	49	14.8	45	14.1	15.5	
Wabaunsee.....	61	9.1	80	12.0	80	12.2	75	10.9	77	11.3	11.1	
Wallace.....	21	11.7	17	9.4	20	11.1	19	10.9	21	12.3	11.1	
Washington.....	102	15.5	93	14.3	98	15.1	99	15.3	109	17.2	15.5	
Wichita.....	11	4.1	23	8.7	22	8.5	26	10.3	21	8.3	8.0	
Wilson.....	151	14.7	148	14.5	152	14.7	169	16.4	138	13.5	14.8	
Woodson.....	55	13.8	61	15.3	59	15.1	55	14.5	65	17.3	15.2	
Wyandotte.....	1,640	10.7	1,496	9.8	1,624	10.7	1,532	9.7	1,551	9.9	10.2	
Peer Group												
Frontier	1,352	13.6	1,316	13.3	1,379	14.2	1,331	13.5	1,274	13.2	13.6	
Rural	3,855	13.3	3,732	12.9	3,728	13.0	3,813	13.1	3,718	12.9	13.0	
Densely -Settled Rural	4,297	10.2	4,382	10.4	4,485	10.5	4,541	10.5	4,367	10.1	10.3	
Semi-Urban	4,685	9.0	4,776	9.0	4,779	9.0	4,877	9.1	4,807	9.0	9.0	
Urban	9,420	7.4	9,722	7.5	10,009	7.6	10,114	7.6	10,424	7.7	7.6	

* Rate per 1,000 population

** See Technical Notes for Peer Group definition.

Table 36
 Deaths By Number And Rate*
 By Selected City Of Residence
 Kansas, 1997-2001

City of Residence	Year										5-Year Rate	
	1997		1998		1999		2000		2001			
	Number	Rate										
Abilene.....	97	14.9	101	15.5	108	16.6	97	14.8	85	13.1	15.0	
Andover.....	45	9.4	38	7.6	53	10.6	62	9.3	64	8.9	9.2	
Anthony.....	47	20.4	29	12.6	42	19.1	43	17.6	31	13.1	16.6	
Arkansas City.....	159	12.5	158	12.5	171	13.4	194	16.2	198	16.9	14.3	
Atchison.....	135	13.1	160	15.1	148	14.0	141	13.8	130	12.8	13.8	
Augusta.....	112	11.9	111	11.6	109	11.1	129	15.3	82	9.7	11.9	
Baldwin City.....	34	10.3	36	10.6	15	4.2	34	10.0	35	10.0	9.0	
Baxter Springs.....	62	13.5	68	14.8	69	15.0	74	16.1	63	14.0	14.7	
Belleville.....	41	17.1	67	27.9	60	26.1	74	33.1	71	32.8	27.4	
Beloit.....	72	18.0	65	16.7	63	16.2	73	18.2	46	11.7	16.2	
Bonner Springs.....	55	9.2	47	7.8	68	11.3	50	7.4	61	9.0	8.9	
Burlington.....	35	12.5	39	13.9	26	9.3	43	15.4	45	16.3	13.5	
Chanute.....	128	13.6	133	14.3	124	13.3	129	13.7	132	14.3	13.8	
Cherryvale.....	42	17.5	39	16.3	39	17.0	36	15.1	40	17.1	16.6	
Clay Center.....	93	20.2	71	15.4	75	16.7	66	14.5	58	12.8	15.9	
Coffeyville.....	191	15.4	180	14.6	165	13.5	179	16.2	189	17.6	15.5	
Colby.....	66	12.5	55	10.4	69	13.3	59	10.8	54	10.1	11.4	
Columbus.....	54	15.9	47	13.8	64	18.8	57	16.8	52	15.5	16.2	
Concordia.....	83	14.6	103	18.4	92	16.4	110	19.3	96	17.3	17.2	
Derby.....	118	7.4	129	7.9	126	7.7	114	6.4	127	7.0	7.3	
Dodge City.....	192	8.5	185	8.2	202	8.9	188	7.5	203	8.1	8.2	
Edwardsville.....	53	14.3	56	15.1	62	16.8	48	11.6	54	12.4	14.0	
El Dorado.....	141	10.3	149	10.6	170	11.9	167	13.9	164	13.7	12.1	
Ellinwood.....	26	11.8	21	9.5	27	11.7	30	13.9	23	10.8	11.5	
Emporia.....	242	9.7	220	8.8	222	9.0	253	9.5	228	8.6	9.1	
Eudora.....	28	8.5	54	15.9	46	12.8	53	12.3	55	12.5	12.4	
Eureka.....	73	24.3	73	23.5	68	22.7	53	18.2	70	23.8	22.5	
Fairway.....	37	7.6	29	5.8	31	6.0	30	7.6	34	8.7	7.1	
Fort Scott.....	137	16.1	153	18.0	140	16.7	168	20.2	121	14.6	17.1	
Fredonia.....	44	16.9	54	20.8	50	19.2	55	21.2	44	17.2	19.1	
Frontenac.....	36	13.8	52	20.0	35	13.5	42	14.0	50	16.7	15.6	
Galena.....	63	18.0	51	14.6	42	12.0	52	15.8	40	12.3	14.5	
Garden City.....	163	6.2	178	6.7	165	6.0	196	6.9	179	6.4	6.4	
Garnett.....	58	17.6	63	19.1	44	13.3	61	18.1	61	18.0	17.2	
Girard.....	50	17.9	47	16.2	52	17.9	68	24.5	38	13.9	18.1	
Goodland.....	61	13.0	66	14.0	58	12.3	63	12.7	51	10.7	12.5	
Great Bend.....	168	11.4	190	13.1	214	14.3	193	12.6	189	12.5	12.8	
Hays.....	151	8.4	170	9.4	166	9.2	155	7.7	153	7.7	8.5	
Haysville.....	72	7.9	73	7.8	91	9.7	73	8.6	91	10.0	8.8	
Herington.....	36	12.9	64	22.9	53	18.9	39	15.2	55	21.9	18.4	
Hesston.....	41	13.2	51	15.5	49	14.8	48	13.7	48	13.6	14.2	
Hiawatha.....	62	17.2	52	14.4	52	14.9	58	17.0	51	15.0	15.7	
Hillsboro.....	47	17.4	40	13.8	43	15.4	54	18.9	29	10.1	15.1	
Hoisington.....	37	12.3	41	13.7	40	12.9	50	16.8	46	15.8	14.3	
Holton.....	66	20.0	65	19.1	68	20.0	56	16.7	55	16.5	18.5	
Hugoton.....	39	11.5	28	8.2	27	7.9	39	10.5	48	13.2	10.3	
Hutchinson.....	409	10.3	486	12.2	484	12.1	515	12.6	505	12.5	11.9	
Independence.....	135	14.2	133	14.0	142	15.1	135	13.7	147	15.3	14.5	
Iola.....	90	14.3	86	13.7	94	14.9	102	16.2	98	15.8	15.0	
Junction City.....	149	8.7	192	11.2	190	11.2	170	9.0	148	8.2	9.7	
Kansas City.....	1,517	10.8	1,371	9.7	1,485	10.6	1,418	9.7	1,422	9.7	10.1	

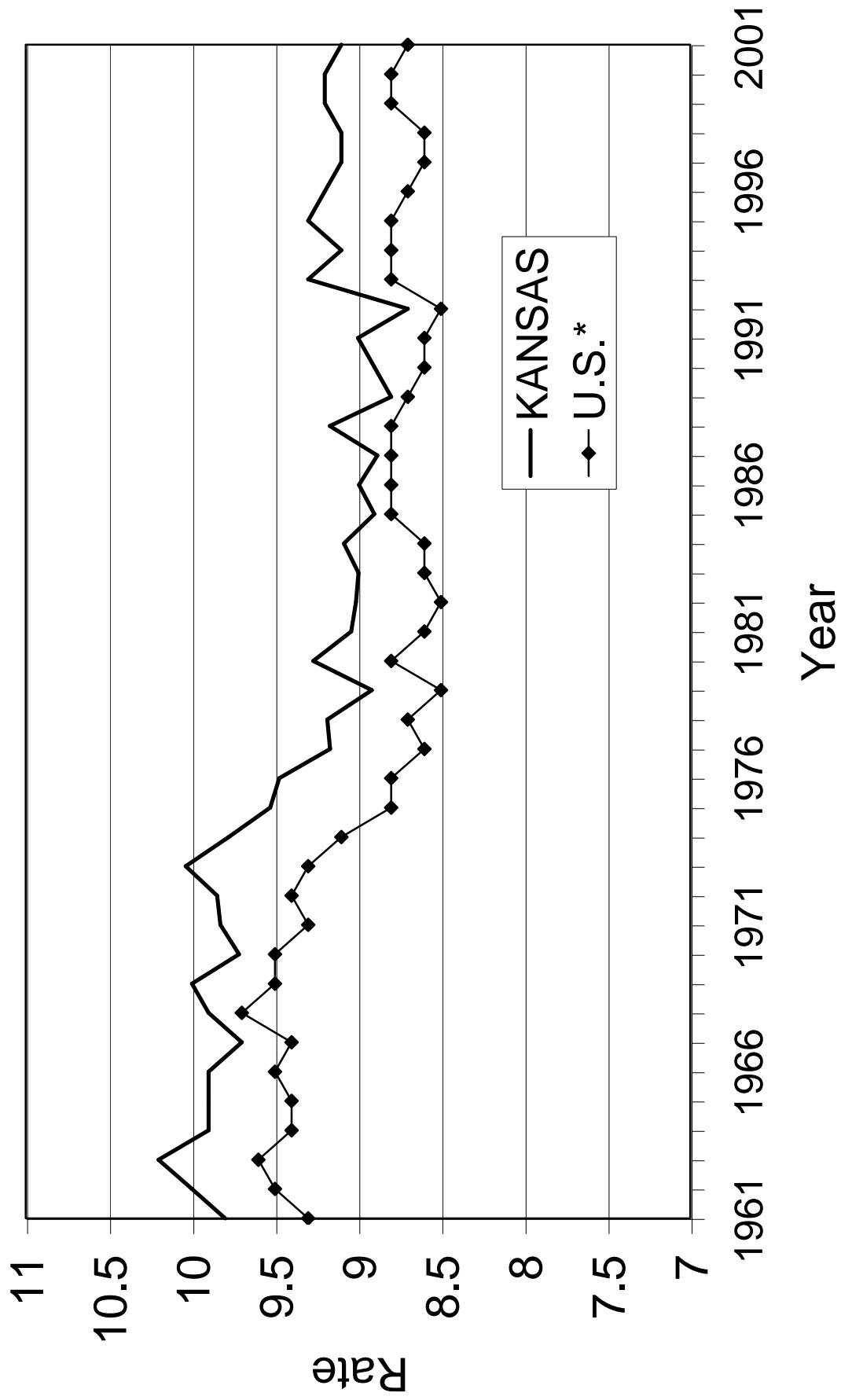
Table 36
 Deaths By Number And Rate*
 By Selected City Of Residence
 Kansas, 1997-2001

City of Residence	Year										5-Year Rate	
	1997		1998		1999		2000		2001			
	Number	Rate										
Kingman.....	59	17.9	42	12.7	72	21.8	48	14.2	50	15.1	16.3	
Lansing.....	56	7.2	61	7.7	56	7.1	60	6.5	63	6.7	7.0	
Larned.....	62	14.4	59	13.4	70	16.3	77	18.2	66	16.2	15.7	
Lawrence.....	316	4.3	360	4.8	371	4.7	381	4.8	392	4.9	4.7	
Leavenworth.....	288	6.9	280	6.6	297	6.9	248	7.0	310	8.7	7.2	
Leawood.....	120	5.2	144	6.1	161	6.6	158	5.7	149	5.3	5.8	
Lenexa.....	176	4.4	199	4.8	246	5.8	281	7.0	255	6.3	5.7	
Liberal.....	118	6.6	117	6.6	112	6.3	144	7.3	136	7.0	6.8	
Lindsborg.....	43	13.9	57	17.8	55	16.7	62	18.7	45	13.5	16.1	
Lyons.....	54	15.4	58	16.1	60	16.7	66	17.7	49	13.4	15.9	
Manhattan	192	5.2	191	5.1	238	6.4	228	5.1	267	6.2	5.6	
Marysville.....	62	19.4	57	17.8	58	18.7	51	15.6	55	17.2	17.7	
McPherson.....	130	10.3	120	9.2	137	10.5	147	10.7	139	10.1	10.2	
Medicine Lodge....	44	19.1	44	20.0	39	17.7	34	15.5	28	13.2	17.1	
Merriam.....	100	7.2	95	6.6	92	6.3	91	8.3	88	8.0	7.3	
Mission.....	77	6.9	88	7.7	78	6.6	86	8.8	83	8.6	7.7	
Mission Hills.....	18	4.4	24	5.7	19	4.4	21	5.8	24	6.7	5.4	
Mulvane	48	9.4	56	10.8	48	9.2	47	9.1	43	8.2	9.3	
Neodesha.....	66	23.6	49	17.5	51	17.6	56	19.7	62	22.1	20.1	
Newton.....	200	11.8	192	10.4	197	10.7	212	12.3	188	10.9	11.2	
Norton.....	48	16.0	57	19.7	62	21.4	54	17.9	45	15.3	18.1	
Olathe.....	323	4.3	371	4.8	398	5.1	394	4.2	441	4.6	4.6	
Osage City.....	30	10.0	34	11.3	51	17.0	38	12.5	51	16.8	13.5	
Osawatomie.....	59	11.6	80	15.4	60	11.3	80	17.2	81	17.5	14.6	
Ottawa.....	158	13.7	173	14.4	143	11.7	146	12.2	132	11.1	12.6	
Overland Park.....	790	6.0	844	6.2	938	6.8	930	6.2	1,033	6.7	6.4	
Paola.....	80	15.4	70	13.2	62	11.5	67	13.4	69	13.7	13.4	
Parsons.....	180	15.7	173	14.9	148	12.9	206	17.9	172	15.1	15.3	
Phillipsburg.....	41	15.8	38	14.6	42	16.2	47	17.6	38	14.6	15.8	
Pittsburg.....	241	13.4	224	12.3	223	12.3	224	11.6	229	12.0	12.3	
Plainville.....	43	20.5	26	13.0	37	18.5	24	11.8	39	19.5	16.7	
Prairie Village.....	201	7.4	193	6.9	201	7.0	196	8.9	207	9.4	7.9	
Pratt.....	88	13.1	93	13.9	89	13.5	105	16.0	109	16.8	14.7	
Roeland Park.....	43	4.7	47	5.1	55	5.7	38	5.6	49	7.2	5.7	
Russell.....	75	16.0	60	13.0	70	15.2	64	13.6	68	14.9	14.5	
Salina.....	480	10.8	455	10.3	445	10.1	452	9.9	461	10.1	10.2	
Scott City.....	44	12.2	50	13.9	51	14.6	54	14.0	45	12.0	13.3	
Shawnee.....	246	5.5	231	5.0	265	5.6	238	5.0	278	5.5	5.3	
Topeka.....	1,403	11.4	1,399	11.4	1,477	11.6	1,524	12.5	1,534	12.6	11.9	
Ulysses.....	52	8.7	48	7.9	40	6.7	55	9.2	36	6.1	7.7	
Valley Center.....	33	8.5	46	11.5	34	8.3	36	7.4	54	11.0	9.3	
Wamego.....	40	9.5	50	11.6	46	10.5	42	9.9	45	10.7	10.4	
Wellington.....	111	12.6	96	10.9	111	12.6	124	14.3	99	11.6	12.4	
Wichita.....	2,916	8.8	3,081	9.1	2,918	8.6	3,117	9.1	3,081	8.9	8.9	
Winfield.....	150	12.6	158	13.5	188	15.8	160	13.1	163	13.4	13.7	

*Rate per 1,000 population

Death Rates

Kansas and the U.S., 1961-2001



*2000-2001 Rates Provisional
Rate per 1,000 Population
Residence Data

Figure 31

Table 37
Age-Specific Death Rates* By Sex
Kansas, 1992-2001

Age-Group and Sex	Year									
	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Both Sexes										
Total.....	8.7	9.2	9.0	9.2	9.2	9.0	9.1	9.2	9.2	9.1
Under 1.....	8.9	8.9	7.8	7.1	8.4	7.5	7.1	7.5	7.0	7.5
1-4.....	0.5	0.4	0.4	0.4	0.5	0.4	0.4	0.4	0.4	0.4
5-14.....	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2
15-24.....	0.9	0.9	1.0	0.9	1.0	0.9	0.9	0.8	0.8	0.9
25-34.....	1.0	1.1	1.2	1.1	1.1	1.0	1.0	1.0	0.9	0.9
35-44.....	1.7	1.6	1.7	1.7	1.7	1.7	1.7	1.6	1.7	1.8
45-54.....	3.8	3.7	3.7	3.9	3.5	3.7	3.6	3.8	3.6	3.9
55-64.....	10.0	10.4	9.6	9.8	10.1	9.7	9.4	9.9	9.3	9.6
65-74.....	23.4	24.5	24.1	24.5	24.4	23.4	23.7	24.0	23.1	22.9
75-84.....	53.6	57.2	55.5	55.9	54.2	54.4	54.1	54.7	55.9	55.7
85 and over.....	142.8	153.3	150.2	154.9	153.4	152.3	154.3	154.2	160.5	154.5
Male										
Total.....	8.8	9.3	9.0	9.2	9.1	9.1	8.9	8.9	8.8	8.8
Under 1.....	9.8	9.0	9.0	7.7	9.4	8.3	7.7	8.7	7.5	8.4
1-4.....	0.5	0.5	0.4	0.5	0.5	0.6	0.5	0.5	0.5	0.5
5-14.....	0.2	0.3	0.3	0.2	0.3	0.2	0.3	0.2	0.2	0.2
15-24.....	1.2	1.3	1.4	1.2	1.4	1.3	1.3	1.2	1.2	1.3
25-34.....	1.4	1.6	1.8	1.6	1.6	1.4	1.5	1.3	1.3	1.3
35-44.....	2.2	2.1	2.1	2.3	2.3	2.0	2.2	2.0	2.1	2.2
45-54.....	4.8	4.7	4.7	4.9	4.3	4.7	4.6	4.6	4.5	4.9
55-64.....	13.0	13.1	12.2	12.3	12.3	12.3	11.5	11.9	11.1	11.9
65-74.....	30.9	32.0	31.6	30.7	30.8	30.3	30.3	30.5	27.8	28.1
75-84.....	69.1	75.9	70.2	73.4	70.3	71.0	68.0	67.8	70.3	69.2
85 and over.....	171.4	179.9	176.6	179.4	178.3	175.1	173.6	170.2	187.4	179.6
Female										
Total.....	8.7	9.2	9.1	9.3	9.2	9.0	9.2	9.4	9.5	9.4
Under 1.....	8.0	8.8	6.6	6.5	7.4	6.7	6.4	6.3	6.4	6.5
1-4.....	0.5	0.3	0.4	0.3	0.5	0.2	0.4	0.4	0.4	0.3
5-14.....	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2
15-24.....	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4
25-34.....	0.6	0.6	0.7	0.6	0.6	0.6	0.6	0.7	0.5	0.6
35-44.....	1.1	1.2	1.2	1.0	1.1	1.3	1.1	1.2	1.3	1.4
45-54.....	2.9	2.8	2.9	3.0	2.7	2.6	2.6	2.9	2.7	3.0
55-64.....	7.2	7.8	7.3	7.4	8.0	7.2	7.3	8.0	7.6	7.5
65-74.....	17.3	18.5	18.0	19.4	19.2	17.6	18.2	18.7	19.2	18.6
75-84.....	44.2	45.6	46.4	44.9	43.9	43.7	45.1	46.0	46.4	46.9
85 and over.....	131.9	143.1	140.0	145.3	143.5	143.1	146.4	147.5	150.0	144.7

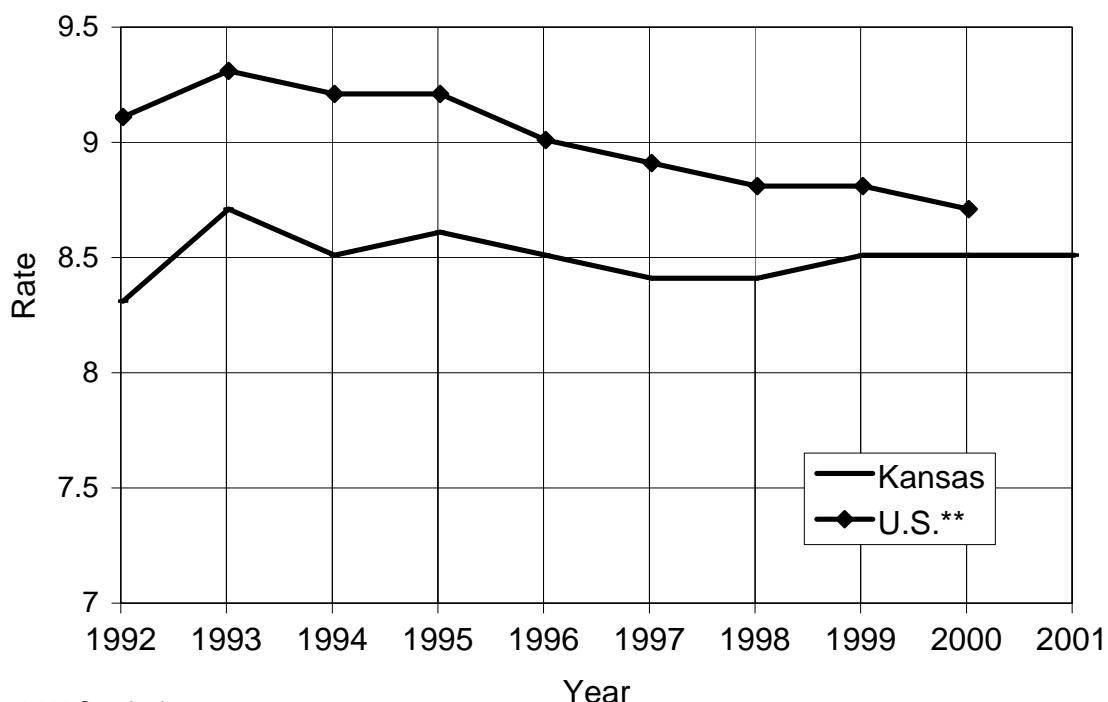
*Rate per 1,000 age-group population

Rates may differ from those published in reports prior to 1999.

Residence data

Age-Adjusted Death Rates*

Kansas and the U.S., 1992-2001



*Rate per 1,000 Standard

U.S. 2000 Population

**2000 Rate Provisional

2001 Rate Not Available

Residence Data

Figure 32

Table 38
Age-Adjusted Death Rates* By Sex
Kansas And The U.S., 1992-2001

Year	Kansas			U.S.**		
	Total	Male	Female	Total	Male	Female
1992.....	8.3	10.5	6.7	9.1	11.6	7.3
1993.....	8.7	11.0	7.1	9.3	11.8	7.5
1994.....	8.5	10.6	7.0	9.2	11.6	7.5
1995.....	8.6	10.8	7.1	9.2	11.5	7.5
1996.....	8.5	10.6	7.0	9.0	11.2	7.4
1997.....	8.4	10.5	6.8	8.9	10.9	7.4
1998.....	8.4	10.3	6.9	8.8	10.6	7.3
1999.....	8.5	10.2	7.2	8.8	10.6	7.4
2000.....	8.5	10.3	7.2	8.7	10.4	7.4
2001.....	8.5	10.3	7.1	n.a.	n.a.	n.a.

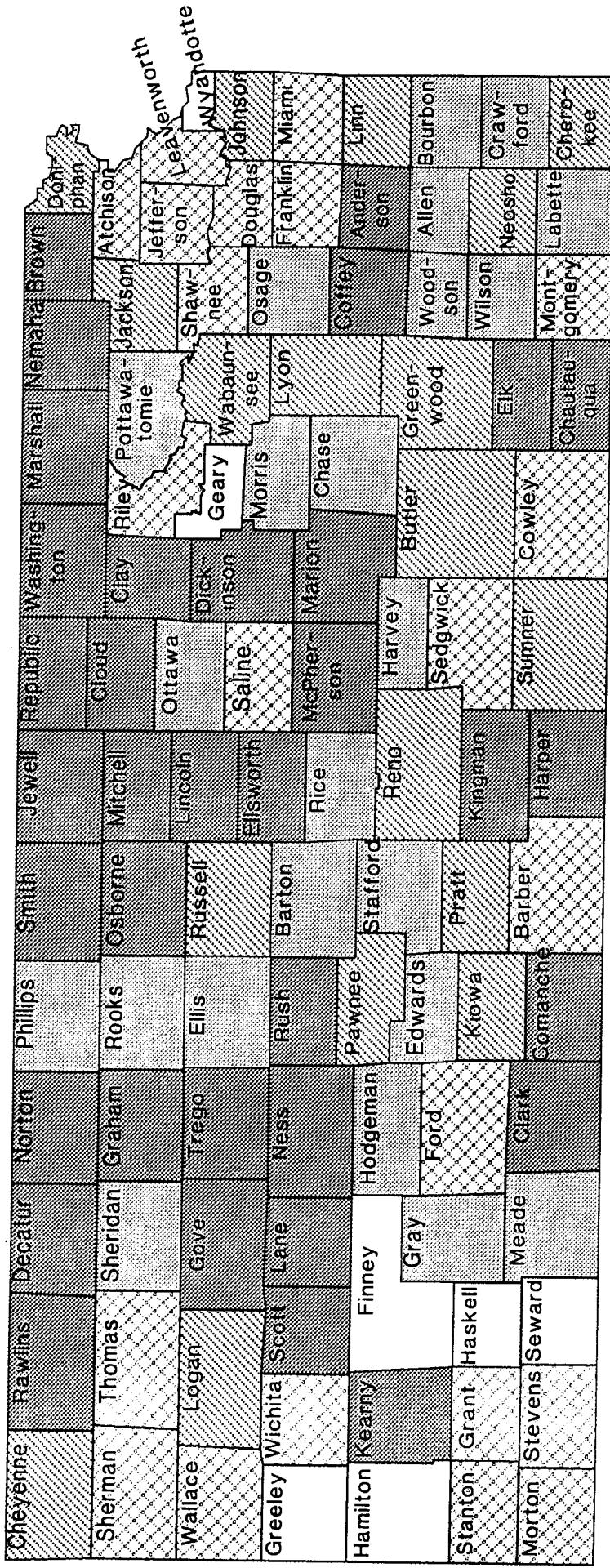
* Rate per 1,000 standard U.S. 2000 population (see Technical Notes)

Rates will differ from those published prior to 1999 because they have been recalculated using the 2000 U.S. standard population.

** 2000 Rate Provisional.

Residence data

Average Age At Death By County Of Residence Kansas, 2001



State Average: 74.2

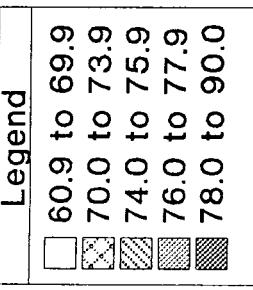


Figure 33

Table 39
 Deaths By Age-Group And Average Age At Death
 By County Of Residence
 Kansas, 2001

County of Residence	Total	Age-Group											Average Age At Death	
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 and over		
Kansas.....	24,590	285	60	70	354	321	746	1,398	2,122	4,036	7,180	8,018	0	74.2
Allen.....	192	2	1	0	2	3	3	10	12	27	56	76	0	77.1
Anderson.....	99	0	0	0	2	0	3	2	9	13	26	44	0	78.0
Atchison.....	172	2	0	1	2	1	8	10	11	36	46	55	0	73.9
Barber.....	66	1	0	0	2	0	2	5	5	15	19	17	0	72.6
Barton.....	315	2	0	1	3	4	6	16	16	57	102	108	0	76.6
Bourbon.....	186	0	0	0	2	2	7	7	19	27	47	75	0	77.0
Brown.....	129	1	0	1	0	1	0	5	8	13	36	64	0	80.5
Butler.....	492	2	1	0	7	5	18	29	50	74	144	162	0	74.8
Chase.....	40	0	0	0	0	0	1	2	7	2	11	17	0	77.4
Chautauqua.....	76	0	0	0	0	0	1	2	6	10	30	27	0	79.6
Cherokee.....	261	0	0	1	5	3	7	12	25	48	71	89	0	75.2
Cheyenne.....	42	0	0	0	3	0	0	1	2	10	10	16	0	75.0
Clark.....	22	0	0	0	1	0	0	1	1	1	6	12	0	79.5
Clay.....	99	0	1	0	1	0	1	2	5	10	33	46	0	80.3
Cloud.....	154	2	0	0	3	0	0	3	10	16	44	76	0	80.4
Coffey.....	129	0	0	0	1	0	4	7	9	22	27	59	0	78.1
Comanche.....	25	0	0	0	0	0	0	1	3	2	4	15	0	81.0
Cowley.....	437	11	0	0	2	7	18	21	41	62	131	144	0	73.8
Crawford.....	444	2	0	1	5	5	11	25	27	60	166	142	0	76.5
Decatur.....	59	0	0	0	0	0	1	1	4	9	19	25	0	80.5
Dickinson.....	224	1	0	0	2	2	4	11	13	34	62	95	0	78.6
Doniphan.....	90	1	0	1	2	0	1	6	7	18	20	34	0	74.9
Douglas.....	549	5	3	3	8	9	32	28	45	82	162	172	0	73.4
Edwards.....	40	1	0	0	1	1	0	1	3	4	9	20	0	76.7
Elk.....	56	0	0	0	0	0	0	2	4	11	15	24	0	80.3
Ellis.....	249	1	1	0	3	3	4	11	18	44	77	87	0	76.3
Ellsworth.....	93	0	0	0	3	1	1	3	2	10	27	46	0	79.8
Finney.....	207	5	2	2	4	4	5	13	29	29	61	53	0	69.8
Ford.....	295	13	1	0	1	4	6	20	21	50	88	91	0	72.6
Franklin.....	237	2	2	1	6	4	8	16	17	33	74	74	0	72.8
Geary.....	204	12	2	1	12	4	10	9	25	44	49	36	0	63.3
Gove.....	41	0	0	0	0	0	0	3	1	9	11	17	0	80.4
Graham.....	38	0	0	0	1	0	1	0	1	8	11	16	0	79.0
Grant.....	43	0	0	0	0	1	1	6	3	7	11	14	0	73.5
Gray.....	49	1	0	0	0	2	1	4	1	4	17	19	0	77.1
Greeley.....	15	0	0	0	1	1	1	1	0	2	4	5	0	69.7
Greenwood.....	136	2	0	0	1	2	3	7	7	27	43	44	0	75.5
Hamilton.....	32	1	1	1	0	0	0	3	0	9	12	5	0	69.0
Harper.....	96	0	1	0	0	0	0	7	11	8	24	45	0	78.7
Harvey.....	323	0	0	1	4	6	9	17	17	39	98	132	0	77.4
Haskell.....	36	2	1	0	1	4	2	1	5	5	8	7	0	62.3
Hodgeman.....	26	0	0	0	0	0	0	2	2	4	11	7	0	76.5
Jackson.....	141	2	0	0	0	2	6	12	15	19	35	50	0	74.2
Jefferson.....	150	1	0	2	3	1	5	7	17	30	33	51	0	73.6
Jewell.....	56	0	0	0	0	0	3	2	0	10	13	28	0	80.2
Johnson.....	2,855	43	4	12	29	35	75	153	251	426	889	938	0	74.6
Kearny.....	28	0	0	0	0	2	0	1	1	3	8	13	0	78.4
Kingman.....	114	0	0	0	1	0	2	4	8	15	44	40	0	78.8
Kiowa.....	47	0	0	0	0	0	1	5	3	8	17	13	0	75.3
Labette.....	303	0	0	1	3	3	6	10	30	51	89	110	0	77.5
Lane.....	18	0	0	0	0	0	1	1	1	2	11	0	0	80.9
Leavenworth....	562	8	1	0	14	3	25	34	60	112	161	144	0	71.6
Lincoln.....	73	0	0	0	2	2	1	3	2	13	21	29	0	78.1
Linn.....	129	0	0	0	1	1	4	8	13	22	38	42	0	75.9
Logan.....	44	0	0	0	1	0	2	2	0	11	17	11	0	75.4

Table 39
 Deaths By Age-Group And Average Age At Death
 By County Of Residence
 Kansas, 2001

County of Residence	Total	Age-Group											Average Age At Death	
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 and over		
Lyon.....	280	1	2	3	4	4	7	18	22	37	67	115	0	75.7
Marion.....	136	0	0	1	2	0	1	5	7	14	40	66	0	80.3
Marshall.....	146	0	0	0	2	0	2	5	8	15	49	65	0	80.2
McPherson.....	336	2	1	1	3	0	6	8	24	35	105	151	0	79.7
Meade.....	38	0	0	1	0	1	0	1	4	8	4	19	0	77.3
Miami.....	253	1	0	1	6	3	12	17	26	36	73	78	0	73.2
Mitchell.....	82	0	0	0	0	0	1	4	5	12	26	34	0	79.7
Montgomery.....	472	5	0	3	6	8	16	32	35	74	144	149	0	73.8
Morris.....	77	0	0	0	2	1	3	1	6	11	22	31	0	77.1
Morton.....	27	0	0	0	1	1	0	1	3	5	8	8	0	73.7
Nemaha.....	169	0	0	0	0	0	3	5	6	17	41	97	0	83.2
Neosho.....	192	0	0	1	6	1	4	8	18	37	55	62	0	75.2
Ness.....	42	0	0	0	0	0	0	1	1	4	14	22	0	84.1
Norton.....	65	0	0	0	0	0	2	2	1	9	25	26	0	81.7
Osage.....	191	1	1	0	1	2	2	9	13	25	64	73	0	77.5
Osborne.....	70	0	1	0	0	0	1	3	3	12	22	28	0	80.0
Ottawa.....	88	1	0	0	0	0	0	6	9	13	24	35	0	77.9
Pawnee.....	89	2	0	0	0	1	1	6	7	13	34	25	0	74.7
Phillips.....	85	3	0	1	0	0	0	3	5	13	28	32	0	77.0
Pottawatomie....	169	2	0	1	3	2	3	10	14	20	45	69	0	76.0
Pratt.....	129	1	1	0	3	2	3	9	6	21	36	47	0	74.6
Rawlins.....	41	0	0	0	0	0	2	2	3	3	15	16	0	79.1
Reno.....	703	8	3	0	7	8	16	35	64	124	211	227	0	74.8
Republic.....	110	0	0	0	1	0	1	2	6	15	25	60	0	82.3
Rice.....	131	0	0	0	4	2	1	3	10	23	35	53	0	76.8
Riley.....	331	3	2	0	5	10	12	20	25	53	87	114	0	73.7
Rooks.....	80	0	0	0	2	1	2	3	3	15	19	35	0	77.3
Rush.....	61	0	0	0	0	0	1	0	2	20	14	24	0	80.2
Russell.....	98	0	0	0	1	0	1	9	14	13	33	27	0	75.2
Saline.....	506	5	3	0	8	6	16	26	49	96	143	154	0	73.6
Scott.....	47	0	0	0	0	0	0	2	4	8	15	18	0	79.5
Sedgwick.....	3,684	72	11	14	59	50	151	262	360	681	1,085	939	0	71.2
Seward.....	151	5	0	0	2	4	10	11	17	26	45	31	0	68.5
Shawnee.....	1,785	20	6	5	19	32	70	130	168	308	483	544	0	72.9
Sheridan.....	46	0	0	0	1	1	0	2	3	10	11	18	0	77.6
Sherman.....	67	0	0	2	1	3	2	3	4	11	18	23	0	72.7
Smith.....	79	0	0	0	0	0	0	2	5	16	17	39	0	81.9
Stafford.....	70	1	0	0	1	1	1	1	4	17	16	28	0	76.6
Stanton.....	15	0	0	0	2	0	0	0	0	6	4	3	0	70.3
Stevens.....	63	1	1	0	1	1	1	4	4	15	22	13	0	71.5
Sumner.....	247	1	0	0	4	2	3	17	26	46	76	72	0	74.8
Thomas.....	74	0	0	0	2	2	3	3	6	14	20	24	0	73.9
Trego.....	45	0	0	0	0	0	1	1	4	9	9	21	0	79.2
Wabaunsee.....	77	0	0	0	1	1	0	2	12	14	23	24	0	75.9
Wallace.....	21	0	0	0	2	0	0	1	0	5	5	8	0	73.2
Washington.....	109	1	0	0	1	1	1	3	4	12	30	56	0	80.2
Wichita.....	21	0	1	0	0	1	0	0	3	5	2	9	0	73.5
Wilson.....	138	0	0	1	1	1	2	6	16	18	42	51	0	77.3
Woodson.....	65	0	0	0	1	1	1	6	2	11	20	23	0	77.2
Wyandotte.....	1,551	23	5	5	44	39	70	113	178	294	440	340	0	69.2

Table 40
Deaths By Race And Sex By Age-Group And Average Age At Death
Kansas, 2001

Race and Sex	Total	Age-Group										Average Age At Death
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	
All Races.....	24,590	285	60	70	354	321	746	1,398	2,122	4,036	7,180	8,018
Male.....	11,756	167	35	38	274	227	455	874	1,273	2,249	3,534	2,630
Female.....	12,834	118	25	32	80	94	291	524	849	1,787	3,646	5,388
White.....	23,092	223	48	60	289	271	644	1,261	1,915	3,738	6,872	7,771
Male.....	10,966	130	28	32	218	194	395	790	1,149	2,093	3,385	2,552
Female.....	12,126	93	20	28	71	77	249	471	766	1,645	3,487	5,219
Black.....	1,283	56	9	9	50	45	84	112	170	256	267	225
Male.....	672	33	6	5	42	28	49	70	105	132	129	73
Female.....	611	23	3	4	8	17	35	42	65	124	138	152
Other.....	207	6	2	1	15	5	17	23	35	41	41	21
Male.....	110	4	0	1	14	5	10	12	17	23	20	4
Female.....	97	2	2	0	1	0	7	11	18	18	21	17
Not Stated.....	8	0	1	0	0	0	0	1	2	2	1	1
Male.....	8	0	1	0	0	0	0	1	2	1	0	0
Female.....	0	0	0	0	0	0	0	0	0	0	0	0

Residence data

Table 41
Ten Leading Causes Of Death By Sex And Race
Kansas, 2001

Sex and Race	Total	Causes of Death						All Other Causes			
		Heart Disease	Malignant Neoplasms	Cerebro-vascular Disease	Chronic Lower Respiratory Diseases	Unintentional Injuries	Diabetes Mellitus	Alzheimer's Disease	Pneumonia and Influenza	Nephritis, Nephrotic Syndrome, Nephrosis	Atherosclerosis
Total.....	24,590	6,691	5,431	1,842	1,439	1,190	720	640	557	500	305
Male.....	11,756	3,127	2,875	672	734	752	326	198	249	226	93
White.....	10,966	2,979	2,666	631	714	692	303	189	236	213	90
Black.....	672	126	178	38	14	41	22	8	10	13	2
Native American.....	74	16	24	1	4	8	1	0	2	0	1
Other.....	36	3	7	2	2	11	0	1	0	0	0
Not Stated.....	8	3	0	0	0	0	0	0	1	0	0
Female.....	12,834	3,564	2,556	1,170	705	438	394	442	308	274	212
White.....	12,126	3,389	2,410	1,113	685	411	360	428	298	248	205
Black.....	611	151	119	48	17	24	29	13	8	24	6
Native American.....	60	18	16	5	3	1	2	1	0	0	1
Other.....	37	6	11	4	0	2	3	0	2	2	0
Not Stated.....	0	0	0	0	0	0	0	0	0	0	0

Residence data

Table 42
Selected Causes Of Death By Age-Group
And Average Age At Death
Kansas, 2001

Selected Causes of Death (ICD-10 Code)	Total	Age-Group											Average Age at Death	
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over		
All Causes.....	24,590	285	60	70	354	321	746	1,398	2,122	4,036	7,180	8,018	0	74.2
Selected Causes.....	20,354	100	43	60	323	274	593	1,175	1,822	3,499	6,013	6,452	0	n.a.
Tuberculosis (A16-A19).....	6	0	0	0	1	0	1	0	0	2	1	1	0	63.7
HIV/AIDS (B20-B24).....	39	0	0	0	0	6	18	10	4	1	0	0	0	43.2
Malignant Neoplasms (C00-C97).....	5,431	2	1	8	22	32	143	401	801	1,428	1,699	894	0	71.8
Diabetes mellitus (E10-E14).....	720	0	0	1	1	4	23	53	97	129	237	175	0	73.9
Alzheimer's Disease (G30).....	640	0	0	0	0	0	0	0	3	38	211	388	0	85.8
Hypertension and Hypertensive Renal Disease (I10,I12).....	180	0	0	0	0	0	1	4	8	20	62	85	0	82.4
Heart Disease (I00-I09,I11,I13,I20-I51).....	6,691	6	2	2	6	21	101	312	492	982	2,021	2,746	0	79.2
Cerebrovascular Disease (I60-I69).....	1,842	0	1	0	0	5	18	55	77	194	602	890	0	81.8
Atherosclerosis (I70).....	305	0	0	0	0	0	0	3	4	20	85	193	0	86.1
Pneumonia and Influenza (J10-J18).....	557	4	3	1	1	4	6	16	17	58	157	290	0	81.6
Chronic Lower Respiratory Diseases (J40-J47).....	1,439	0	0	1	2	2	6	34	110	382	544	358	0	77.1
Peptic Ulcer (K25-K28).....	57	0	0	0	0	0	1	4	3	9	16	24	0	79.4
Chronic Liver Disease and Cirrhosis (K70, K73-K74).....	207	0	0	0	0	2	18	52	45	45	35	10	0	62.0
Nephritis, Nephrotic Syndrome and Nephrosis (N00-N07, N17-N19, N25-N27).....	500	2	0	0	0	3	5	11	15	78	165	221	0	80.8
Congenital Anomalies (Q00-Q99).....	109	62	6	0	5	4	6	8	3	6	8	1	0	20.1
Unintentional Injuries (V01-X59, Y40-Y86, Y88).....	1,190	18	23	44	186	108	150	155	95	86	154	171	0	50.7
Suicide (X60-X84,Y87.0).....	297	0	0	2	62	52	73	40	35	16	14	3	0	41.1
Homicide (X85-Y09,Y87.1).....	144	6	7	1	37	31	23	17	13	5	2	2	0	33.6

Residence data

Table 43
Ten Leading Causes Of Death By Sex,
Number, Rate And Average Age At Death
Kansas, 2001

Leading Causes of Death (ICD-10 Code)	Number of Deaths				Cause-Specific Death Rate*			Average Age at Death		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	
All Causes.....	24,590	11,756	12,834	912.6	882.9	941.5	74.2	70.2	78.0	
Heart Disease (I00-I09, I11-I13, I20-I51).....	6,691	3,127	3,564	248.3	234.8	261.5	79.2	75.0	82.8	
Malignant Neoplasms (C00-C97).....	5,431	2,875	2,556	201.5	215.9	187.5	71.8	71.3	72.3	
Cerebrovascular Disease (I60-I69).....	1,842	672	1,170	68.4	50.5	85.8	81.8	78.6	83.7	
Chronic Lower Respiratory Diseases (J40-J47).....	1,439	734	705	53.4	55.1	51.7	77.1	76.6	77.6	
Unintentional Injuries (V01-X59, Y40-Y86, Y88).....	1,190	752	438	44.2	56.5	32.1	50.7	46.2	58.3	
Diabetes mellitus (E10-E14).....	720	326	394	26.7	24.5	28.9	73.9	72.0	75.5	
Alzheimer's Disease (G30).....	640	198	442	23.8	14.9	32.4	85.8	83.9	86.6	
Pneumonia and Influenza (J10-J18).....	557	249	308	20.7	18.7	22.6	81.6	77.5	84.9	
Nephritis, Nephrotic Syndrome and Nephrosis (N00-N07, N17-N19, N25-N27).....	500	226	274	18.6	17.0	20.1	80.8	79.6	81.7	
Atherosclerosis (I70).....	305	93	212	11.3	7.0	15.6	86.1	83.8	87.1	

*Rate per 100,000 population

Note: Total rate is based on 2001 population estimate from the United States Bureau of the Census.

Rates by gender use 2001 KDHE population estimates based on 2000 Census
 Residence data

Table 44
Death Rates* and Age-Adjusted Death Rates**
For Selected Leading Causes of Death
Kansas, 2001

Cause of Death (ICD-10 Code)	Number	Death Rate	Age-Adjusted Death Rate
All Causes.....	24,590	912.6	846.2
Heart Disease (I00-I09, I11, I13, I20-I51).....	6,691	248.3	225.8
Malignant Neoplasms (C00-C97).....	5,431	201.5	194.1
Cerebrovascular Disease (I60-I69).....	1,842	68.4	60.9
Chronic Lower Respiratory Diseases (J40-J47).....	1,439	53.4	50.0
Unintentional Injuries (V01-X59, Y40-Y86, Y88).....	1,190	44.2	42.8
Pneumonia and Influenza (J10-J18).....	557	20.7	18.3
Diabetes mellitus (E10-E14).....	720	26.7	25.3
Alzheimer's Disease (G30).....	640	23.8	20.5
Nephritis, Nephrotic Syndrome and Nephrosis (N00-N07, N17-N19, N25-N27).....	500	18.6	16.7
Atherosclerosis (I70).....	305	11.3	9.7
Suicide (X60-X84, Y87.0).....	297	11.0	11.1
Chronic Liver Disease and Cirrhosis (K70, K73-K74).....	207	7.7	7.7
Hypertension and Hypertensive Renal Disease (I10, I12).....	180	6.7	6.0
Homicide (X85-Y09, Y87.1).....	144	5.3	5.4
Congenital Anomalies (Q00-Q99).....	109	4.0	4.0
Certain Conditions Originating in the Perinatal Period (P00-P96).....	122	4.5	4.4

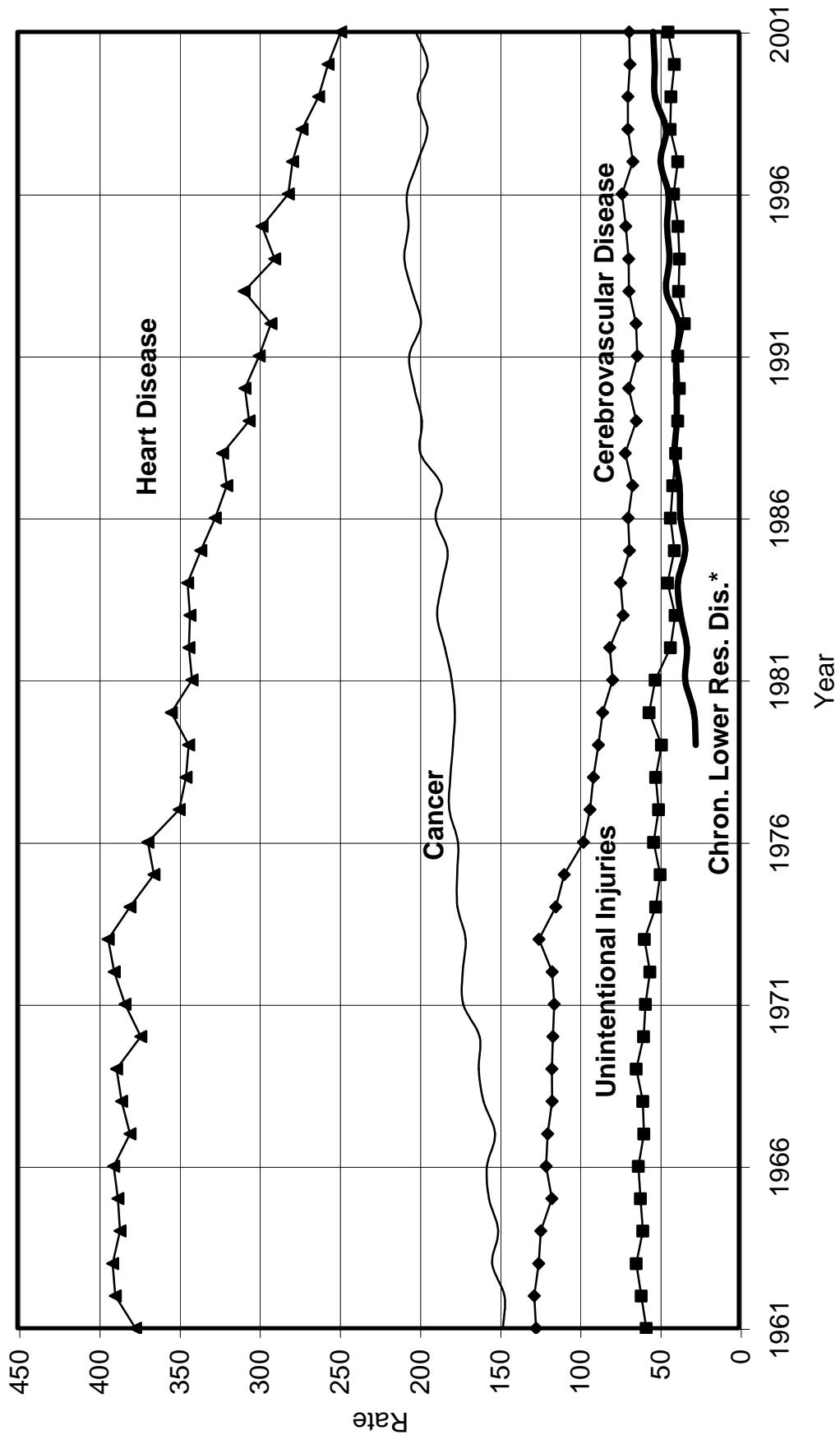
*Rate per 100,000 population

**Rate per 100,000 standard U.S. 2000 population (see Technical Notes)

Residence data

Death Rates for Selected Leading Causes of Death

Kansas, 1961-2001



*Formerly identified as Chronic Obstructive Pulmonary Disease.
Reporting began in 1979.
Rates per 100,000 population
Residence Data

Figure 34

Leading Causes of Death By Age-Group

Kansas, 2001

ALL AGES		UNDER 1 YEAR		1-4 YEARS		25-44 YEARS		5-14 YEARS		15-24 YEARS		65-84 YEARS		45-64 YEARS	
CAUSE	NUMBER	CAUSE	NUMBER	CAUSE	NUMBER	CAUSE	NUMBER	CAUSE	NUMBER	CAUSE	NUMBER	CAUSE	NUMBER	CAUSE	NUMBER
HEART DISEASE	6,691	CONGENITAL ANOMALIES	62	UNINTENTIONAL INJURIES	23	HEART DISEASE	2,746	CANCER	3,127	CANCER	1,202	HEART DISEASE	3,003	CANCER	1,202
CANCER	5,431	LENGTH GEST./FETAL GROWTH	53	HOMICIDE	7	CANCER	894	CANCER	926	CHEIROVASC. DIS.	804	HEART DISEASE	926	CANCER	804
CEREBROVASC. DIS.	1,842	SIDS	41	CONGENITAL ANOMALIES	6	ALZHEIMER'S DISEASE	890	CHRON. LOWER RESP. DIS.	150	DIABETES	796	CHRON. LOWER RESP. DIS.	366	DIABETES	144
CHRON. LOWER RESP. DIS.	1,439	RESPIRATORY DISORDERS	20	DIS. NERVOUS SYS.	6	OTHER CAUSES	388	CEREBROVASC. DIS.	144	OTHER CAUSES	366	OTHER CAUSES	970	OTHER CAUSES	970
UNINTENTIONAL INJURIES	1,190	MATERNAL FACTORS & COMPL.	19	INFECT./PARASITIC DIS.	5	TOTAL	3,520	CHRON. LOWER RESP. DIS.	970	TOTAL	11,216	OTHER CAUSES	2,998	TOTAL	3,520
OTHER CAUSES	7,997	OTHER CAUSES	90	OTHER CAUSES	13	TOTAL	60	OTHER CAUSES	2,998	TOTAL	8,018	TOTAL	1,067	TOTAL	60
TOTAL	24,590	TOTAL	285	TOTAL	354	TOTAL	354	TOTAL	70	TOTAL	70	TOTAL	70	TOTAL	70

Figure 35

Table 45
Heart Disease Deaths By Age-Group And Sex Of Decedent
Kansas, 2001

Causes of Death and Sex of Decedent (ICD Code)	Total	Age-Group								85 & Over
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	
Heart Disease (100-109, 111, 113, 120-151).....	6,691	6	2	6	21	101	312	492	982	2,021
Male.....	3,127	4	1	0	2	69	228	336	601	1,016
Female.....	3,564	2	1	2	4	5	84	156	381	1,005
Acute Rheumatic Fever and Chronic Rheumatic Heart Disease (100-109).....	40	0	0	0	0	1	1	0	5	14
Male.....	9	0	0	0	0	0	1	0	2	4
Female.....	31	0	0	0	0	0	0	1	3	10
Hypertensive Heart Disease with or without Renal Disease (111, 113).....	132	0	0	0	1	0	1	6	2	11
Male.....	38	0	0	0	0	0	0	4	0	7
Female.....	94	0	0	0	1	0	0	2	2	4
Ischemic Heart Disease (120-125).....	4,402	1	0	0	1	7	62	221	351	730
Male.....	2,254	1	0	0	1	6	48	175	252	466
Female.....	2,148	0	0	0	0	1	14	46	99	264
Pulmonary Heart Disease and Diseases of Pulmonary Circulation (126-128).....	154	1	0	0	1	3	10	19	20	23
Male.....	63	1	0	0	0	2	3	7	8	12
Female.....	91	0	0	0	1	1	7	12	12	11
Other Forms of Heart Disease (130-151).....	1,963	4	2	2	3	11	27	65	116	213
Male.....	763	2	1	0	1	8	16	42	76	114
Female.....	1,200	2	1	0	2	3	11	23	40	99

Residence data

Table 46
Malignant Neoplasm Deaths
By Site Of Lesion, Age-Group And Sex Of Decedent
Kansas, 2001

Site of Lesion and Sex of Decedent (ICD-10 Code)	Total	Age-Group										
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over
Malignant Neoplasms (All Sites)												
(C00-C97).....	5,431	2	1	8	22	32	143	401	801	1,428	1,699	894
Male.....	2,875	1	0	5	13	13	68	207	445	810	908	405
Female.....	2,556	1	1	3	9	19	75	194	356	618	791	489
Lip, Oral Cavity and Pharynx												
(C00-C14).....	68	0	0	0	2	0	1	8	11	15	24	7
Male.....	48	0	0	0	2	0	0	7	9	12	15	3
Female.....	20	0	0	0	0	0	1	1	2	3	9	4
Digestive Organs												
(C15-C26).....	1,246	0	0	0	1	4	33	101	187	313	368	239
Male.....	684	0	0	0	1	3	21	65	113	207	195	79
Female.....	562	0	0	0	0	1	12	36	74	106	173	160
Respiratory and Intrathoracic Organs												
(C30-C39).....	1,580	0	0	0	1	0	35	101	271	518	510	144
Male.....	936	0	0	0	0	0	19	57	176	307	296	81
Female.....	644	0	0	0	1	0	16	44	95	211	214	63
Bone and Articular Cartilage												
(C40-C41).....	17	0	0	0	4	3	1	0	2	4	2	1
Male.....	6	0	0	0	1	0	1	0	0	1	2	1
Female.....	11	0	0	0	3	3	0	0	2	3	0	0
Skin												
(C43-C44).....	99	0	0	0	0	2	7	15	14	16	28	17
Male.....	69	0	0	0	0	0	5	9	13	15	15	12
Female.....	30	0	0	0	0	2	2	6	1	1	13	5
Mesothelial and Soft Tissue												
(C45-C49).....	62	1	0	3	0	1	4	8	7	17	11	10
Male.....	42	1	0	3	0	1	2	5	7	9	5	9
Female.....	20	0	0	0	0	0	2	3	0	8	6	1
Breast												
(C50).....	354	0	0	0	0	4	18	40	51	80	90	71
Male.....	0	0	0	0	0	0	0	0	0	0	0	0
Female.....	354	0	0	0	0	4	18	40	51	80	90	71
Genital Organs												
(C51-C63).....	600	0	0	0	0	8	9	35	57	127	213	151
Male.....	320	0	0	0	0	1	1	3	13	59	136	107
Female.....	280	0	0	0	0	7	8	32	44	68	77	44
Urinary Tract												
(C64-C68).....	283	0	0	0	0	0	4	13	37	73	89	67
Male.....	192	0	0	0	0	0	3	9	22	49	65	44
Female.....	91	0	0	0	0	0	1	4	15	24	24	23
Eye and Adnexa												
(C69).....	6	0	0	0	0	0	0	0	0	1	3	2
Male.....	1	0	0	0	0	0	0	0	0	0	1	0
Female.....	5	0	0	0	0	0	0	0	0	1	2	2
Meninges, Brain and Other Parts of Central Nervous System												
(C70-C72).....	141	0	0	2	3	5	8	21	38	30	28	6
Male.....	73	0	0	0	2	3	3	14	22	15	12	2
Female.....	68	0	0	2	1	2	5	7	16	15	16	4
Thyroid and Other Endocrine Glands												
(C73-C75).....	28	0	1	0	0	0	1	0	7	7	9	3
Male.....	15	0	0	0	0	0	1	0	4	5	4	1
Female.....	13	0	1	0	0	0	0	0	3	2	5	2
Other and Unspecified Sites												
(C76-C80, C97).....	315	0	0	0	2	1	7	16	46	81	97	65
Male.....	161	0	0	0	1	1	1	11	26	53	44	24
Female.....	154	0	0	0	1	0	6	5	20	28	53	41
Leukemia												
(C91-C95).....	228	1	0	1	6	2	5	15	16	48	99	35
Male.....	119	0	0	1	5	2	3	9	9	28	50	12
Female.....	109	1	0	0	1	0	2	6	7	20	49	23
Other Lymphoid, Hematopoietic, and Related Tissue												
(C81-C90, C96).....	404	0	0	2	3	2	10	28	57	98	128	76
Male.....	209	0	0	1	1	2	8	18	31	50	68	30
Female.....	195	0	0	1	2	0	2	10	26	48	60	46

Residence data

Table 47
Cerebrovascular Disease Deaths By Age-Group And Sex Of Decedent
Kansas, 2001

Cause of Death and Sex of Decedent (ICD-10 Code)	Total	Age-Group										85 & Over
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	
Cerebrovascular Disease (I60-I69).....	1,842	0	1	0	0	5	18	55	77	194	602	890
Male.....	672	0	0	0	0	4	10	27	48	95	247	241
Female.....	1,170	0	1	0	0	1	8	28	29	99	355	649
Subarachnoid Hemorrhage (I60).....	65	0	1	0	0	2	7	18	10	4	16	7
Male.....	27	0	0	0	0	2	5	7	5	1	3	4
Female.....	38	0	1	0	0	0	2	11	5	3	13	3
Intracerebral and Other Intracranial Hemorrhage (I61-I62).....	249	0	0	0	0	2	8	18	12	42	97	70
Male.....	108	0	0	0	0	2	2	10	7	20	37	30
Female.....	141	0	0	0	0	0	6	8	5	22	60	40
Cerebral Infarction (I63).....	110	0	0	0	0	0	0	0	2	3	14	37
Male.....	45	0	0	0	0	0	0	0	0	3	7	16
Female.....	65	0	0	0	0	0	0	0	2	0	7	18
Stroke, Not Specified as Hemorrhage or Infarction (I64).....	1,098	0	0	0	1	2	14	48	108	355	570	
Male.....	382	0	0	0	0	0	2	9	30	52	145	144
Female.....	716	0	0	0	0	1	0	5	18	56	210	426
Other Cerebrovascular Diseases (I67, I69).....	320	0	0	0	0	0	0	1	3	4	26	97
Male.....	110	0	0	0	0	0	0	1	1	3	15	43
Female.....	210	0	0	0	0	0	0	0	2	1	11	54

Residence data

Table 48
Unintentional Injury Deaths By Age-Group And Sex Of Decedent
Kansas, 2001

Cause of Death and Sex of Decedent (ICD-10 Code)	Total	Age-Group										
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	
Unintentional Injuries												
(V01-X59, Y40-Y86, Y88).....	1,190	18	23	44	186	108	150	155	95	86	154	171
Male.....	752	8	16	27	142	81	102	116	63	56	78	63
Female.....	438	10	7	17	44	27	48	39	32	30	76	108
Motor-Vehicle												
(*).....	534	0	10	26	152	67	70	72	40	36	37	24
Male.....	375	0	8	15	112	50	48	55	26	23	24	14
Female.....	159	0	2	11	40	17	22	17	14	13	13	10
Water Transport												
(V90-V94).....	5	1	0	0	1	0	1	2	0	0	0	0
Male.....	4	1	0	0	1	0	1	1	0	0	0	0
Female.....	1	0	0	0	0	0	0	1	0	0	0	0
Air and Space Transport												
(V95-V97).....	14	0	0	0	2	1	3	1	3	4	0	0
Male.....	13	0	0	0	2	1	3	0	3	4	0	0
Female.....	1	0	0	0	0	0	0	1	0	0	0	0
Falls												
(W00-W19).....	195	0	0	2	3	2	6	12	12	12	53	93
Male.....	96	0	0	2	3	2	6	10	9	6	25	33
Female.....	99	0	0	0	0	0	0	2	3	6	28	60
Inanimate Mechanical Forces												
(W20-W49).....	48	0	0	3	4	4	8	8	3	6	9	3
Male.....	42	0	0	2	4	3	7	8	2	6	8	2
Female.....	6	0	0	1	0	1	1	0	1	0	1	1
Drowning and Submersion												
(W65-W74).....	25	2	3	1	5	4	5	2	0	1	1	1
Male.....	22	0	3	1	5	3	5	2	0	1	1	1
Female.....	3	2	0	0	0	1	0	0	0	0	0	0
Other Accidental Threats												
to Breathing												
(W75-W84).....	86	11	5	1	5	1	2	14	8	3	17	19
Male.....	44	5	2	1	4	1	2	9	5	2	5	8
Female.....	42	6	3	0	1	0	0	5	3	1	12	11
Electric Current, Radiation and Air Temperature/Pressure												
(W85-W99).....	8	0	1	1	2	2	0	2	0	0	0	0
Male.....	6	0	0	1	1	2	0	2	0	0	0	0
Female	2	0	1	0	1	0	0	0	0	0	0	0
Smoke, Fire and Flames												
(X00-X09).....	43	1	4	6	4	3	2	5	4	6	6	2
Male.....	25	0	3	4	3	2	1	3	3	2	4	0
Female.....	18	1	1	2	1	1	1	2	1	4	2	2
Forces of Nature												
(X30-X39).....	9	1	0	0	0	1	0	2	1	2	1	1
Male.....	6	0	0	0	0	1	0	2	1	1	1	0
Female.....	3	1	0	0	0	0	0	0	0	1	0	1
Poisonings												
(X40-X49).....	115	1	0	2	6	16	45	26	11	4	2	2
Male.....	64	1	0	0	5	11	23	17	4	2	1	0
Female.....	51	0	0	2	1	5	22	9	7	2	1	2
Other Unintentional Injuries												
(**).....	108	1	0	2	2	7	8	9	13	12	28	26
Male.....	55	1	0	1	2	5	6	7	10	9	9	5
Female.....	53	0	0	1	0	2	2	2	3	3	19	21

* V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2

** V01, V05-V06, V09.1, V09.3-V09.9, V10-V11, V15-V18, V19.3,V19.8-V19.9, V80.0-V80.2, V80.6-V80.9, V81.2-V81.9, V82.2-V82.9, V87.9, V88.9, V89.1, V89.3, V89.9, V98-V99, W50-W64, X10-X29, X50-X59, Y40-Y86, Y88

Table 49
Selected Chronic Disease Deaths By Age-Group And Sex Of Deceased
Kansas, 2001

Cause of Death and Sex of Deceased (ICD-10 Code)	Total	Age-Group										
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over
Total.....	3,408	2	0	2	3	11	54	161	282	683	1,144	1,066
Male.....	1,576	2	0	1	3	6	35	87	148	329	569	396
Female.....	1,832	0	0	1	0	5	19	74	134	354	575	670
Diabetes mellitus (E10-E14).....	720	0	0	1	1	4	23	53	97	129	237	175
Male.....	326	0	0	1	1	3	16	27	43	56	119	60
Female.....	394	0	0	0	0	1	7	26	54	73	118	115
Hypertension and Hypertensive Renal Disease	(I10, I12).....	180	0	0	0	0	1	4	8	20	62	85
Male.....	52	0	0	0	0	0	1	2	2	5	22	20
Female.....	128	0	0	0	0	0	0	2	6	15	40	65
Atherosclerosis	(I70).....	305	0	0	0	0	0	0	3	4	20	85
Male.....	93	0	0	0	0	0	0	0	2	7	32	50
Female.....	212	0	0	0	0	0	0	0	1	2	13	53
Chronic Lower Respiratory Diseases (J40-J47).....	1,439	0	0	1	2	2	6	34	110	382	544	358
Male.....	734	0	0	0	2	1	4	14	64	194	292	163
Female.....	705	0	0	1	0	1	2	20	46	188	252	195
Peptic Ulcer (K25-K28).....	57	0	0	0	0	0	1	4	3	9	16	24
Male.....	22	0	0	0	0	0	0	1	3	1	1	9
Female.....	35	0	0	0	0	0	0	0	1	2	8	7
Chronic Liver Disease and Cirrhosis	(K70, K73-K74).....	207	0	0	0	0	2	18	52	45	45	35
Male.....	123	0	0	0	0	2	10	34	29	28	13	7
Female.....	84	0	0	0	0	0	8	18	16	17	22	3
Nephritis, Nephrotic Syndrome, and Nephrosis (N00-N07, N17-N19, N25-N27).....	500	2	0	0	0	0	3	5	11	15	78	165
Male.....	226	2	0	0	0	0	0	3	5	7	38	82
Female.....	274	0	0	0	0	0	0	3	2	6	40	83

Residence data

Table 50
Occupation Of Deceased By
Selected Causes Of Death
Kansas, 2001

		Selected Causes of Death											
Occupation of Deceased	Total	Heart Disease	Malignant Neoplasms	Cerebro-vascular Disease	Unintentional Injuries	Chronic Lower Respiratory Diseases	Suicide	Atherosclerosis	Chronic Liver Disease and Cirrhosis	Homicide	Peptic Ulcer	Hyper-tension	All Other Causes
Total.....	24,590	6,691	5,431	1,842	1,190	1,439	297	305	207	144	57	180	6,807
Housewives.....	5,713	1,725	957	590	143	304	20	112	31	6	14	65	1,746
Managerial and Professional Specialty.....	4,240	1,107	1,101	312	164	199	58	59	37	13	13	24	1,153
Technical, Sales and Administrative Support.....	4,155	1,103	1,053	335	151	262	32	55	36	9	10	26	1,083
Operators, Fabricators and Laborers.....	2,756	754	679	141	185	182	64	22	31	35	4	17	642
Farming, Forestry and Fishing.....	1,827	578	375	142	71	119	12	10	11	2	3	11	493
Precision Production, Craft and Repair.....	2,410	628	632	145	135	191	45	25	28	20	7	15	539
Service Workers.....	1,899	539	393	116	89	122	19	21	22	17	3	20	538
No Occupation.....	284	43	32	11	23	18	8	1	5	10	0	1	132
Students.....	223	5	27	0	132	1	26	0	0	8	0	0	24
Children Under 5 Years.....	345	8	3	1	41	0	0	0	0	13	0	0	279
Other and Not Stated.....	738	201	179	49	56	41	13	0	6	11	3	1	178

Residence data

Table 51
Type Of Industry Of Decedent's Occupation By Selected Causes Of Death
Kansas, 2001

Type of Industry	Total	Selected Causes of Death								All Other Causes			
		Heart Disease	Malignant Neoplasms	Cerebro-vascular Disease	Unintentional Injuries	Chronic Lower Respiratory Diseases	Suicide	Athero-sclerosis	Chronic Liver Disease and Cirrhosis				
Total.....	24,590	6,691	5,431	1,842	1,190	1,439	297	305	207	144	57	180	6,807
Professional Services.....	3,592	969	824	277	141	173	31	42	29	13	10	31	1,052
Agriculture, Forestry and Fisheries.....	1,852	579	375	151	70	115	13	10	11	3	4	13	508
Manufacturing.....	2,725	725	720	167	126	191	36	27	28	10	7	17	671
Retail Trade.....	2,243	641	498	165	76	149	25	38	16	17	5	19	594
Transportation, Communications and Public Utilities.....	1,832	501	484	98	82	111	28	20	21	14	3	10	460
Construction.....	1,329	343	348	60	108	102	42	10	17	25	4	3	267
Public Administration.....	982	255	281	67	41	66	10	13	6	2	0	4	237
Business and Repair Services.....	626	157	157	44	49	46	15	2	7	6	4	1	138
Personal Services.....	525	147	108	39	21	28	5	14	10	4	1	4	144
Finance, Insurance and Real Estate.....	719	177	201	64	24	46	11	11	10	1	0	4	170
Wholesale Trade.....	541	133	150	37	34	35	7	2	7	1	0	6	129
Mining.....	215	58	63	11	11	12	4	1	2	0	2	0	51
Entertainment and Recreation Services.....	45	14	11	3	0	2	2	0	0	1	0	0	12
Other and N.S.*	7,364	1,992	1,211	659	407	363	68	115	43	47	17	68	2,374

*This category includes housewives, military personnel, students, children and those who were never employed.
Residence data

Table 52
Selected Causes Of Death And Years Of Potential Life Lost (YPLL)
Before Life Expectancy*
Kansas, 2001

CAUSE OF DEATH (ICD-10)	Number of Deaths	Total Years Life Lost	Percent Years Lost By Cause	Rate** Years Lost By Cause
Total Deaths	24,590	193,043	100.0	71.6
Heart Disease (I00-I09, I11, I13, I20-I51)	6,691	28,725	14.9	10.7
Cancer (C00-C97)	5,431	42,510	22.0	15.8
Cerebrovascular Disease (I60-I69)	1,842	4,975	2.6	1.8
Chronic Lower Respiratory Dis. (J40-J47)	1,439	5,695	2.9	2.1
Unintentional Inj. (V01-X59, Y40-Y86, Y88)	1,190	33,784	17.5	12.5
Diabetes (E10-E14)	720	5,017	2.6	1.9
Alzheimer's Disease (G30)	640	294	0.2	0.1
Pneumonia and Influenza (J10-J18)	557	2,121	1.1	0.8
Nephritis and Neph. Syn. (N00-N07, N17-N19, N25-N27)	500	1,559	0.8	0.6
Atherosclerosis (I70)	305	254	0.1	0.1
Suicide (X60-X84, Y87.0)	297	10,623	5.5	3.9
Chronic Liver Dis. and Cirrhosis (K70, K73-K74)	207	3,200	1.7	1.2
Homicide (X85-Y09, Y87.1)	144	6,224	3.2	2.3
All Other Causes	4,627	48,062	24.9	17.8
Male Deaths	11,756	100,811	100.0	75.7
Heart Disease (I00-I09, I11, I13, I20-I51)	3,127	15,003	14.9	11.3
Cancer (C00-C97)	2,875	17,213	17.1	12.9
Cerebrovascular Disease (I60-I69)	672	2,067	2.0	1.6
Chronic Lower Respiratory Dis. (J40-J47)	734	2,012	2.0	1.5
Unintentional Inj. (V01-X59, Y40-Y86, Y88)	752	21,762	21.6	16.3
Pneumonia and Influenza (J10-J18)	249	1,061	1.0	0.8
Diabetes (E10-E14)	326	2,152	2.1	1.6
Alzheimer's Disease (G30)	198	86	0.1	0.1
Nephritis and Neph. Syn. (N00-N07, N17-N19, N25-N27)	226	581	0.6	0.4
Atherosclerosis (I70)	93	77	0.1	0.1
Suicide (X60-X84, Y87.0)	241	7,980	7.9	6.0
Chronic Liver Dis. and Cirrhosis (K70, K73-K74)	123	1,673	1.7	1.3
Homicide (X85-Y09, Y87.1)	100	4,042	4.0	3.0
All Other Causes	2,040	25,102	24.9	18.9
Female Deaths	12,834	96,518	100.0	70.8
Heart Disease (I00-I09, I11, I13, I20-I51)	3,564	14,606	15.1	10.7
Cancer (C00-C97)	2,556	26,541	27.5	19.5
Cerebrovascular Disease (I60-I69)	1,170	3,893	4.0	2.9
Chronic Lower Respiratory Dis. (J40-J47)	705	4,340	4.5	3.2
Unintentional Inj. (V01-X59, Y40-Y86, Y88)	438	10,975	11.4	8.1
Pneumonia and Influenza (J10-J18)	308	1,020	1.1	0.7
Diabetes (E10-E14)	394	3,252	3.4	2.4
Alzheimer's Disease (G30)	442	621	0.6	0.5
Nephritis and Neph. Syn. (N00-N07, N17-N19, N25-N27)	274	1,236	1.3	0.9
Atherosclerosis (I70)	212	352	0.4	0.3
Suicide (X60-X84, Y87.0)	56	2,035	2.1	1.5
Chronic Liver Dis. and Cirrhosis (K70, K73-K74)	84	1,433	1.5	1.1
Homicide (X85-Y09, Y87.1)	44	1,989	2.1	1.5
All Other Causes	2,587	24,225	25.1	17.8

*Average remaining lifetime values compiled by the Kansas Division of the Budget.

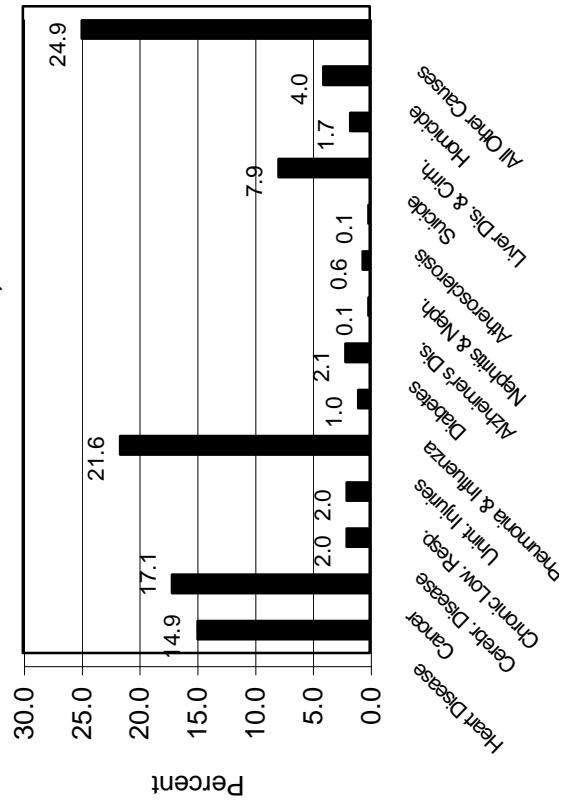
Total YPLL for Male and Female deaths will not add to the Total due to the different life expectancies used to calculate YPLL for males and females.

**Rate per 1,000 population

Residence data

Percent Years of Potential Life Lost

By Selected Causes of Death
Kansas Males, 2001



By Selected Causes of Death
Kansas Females, 2001

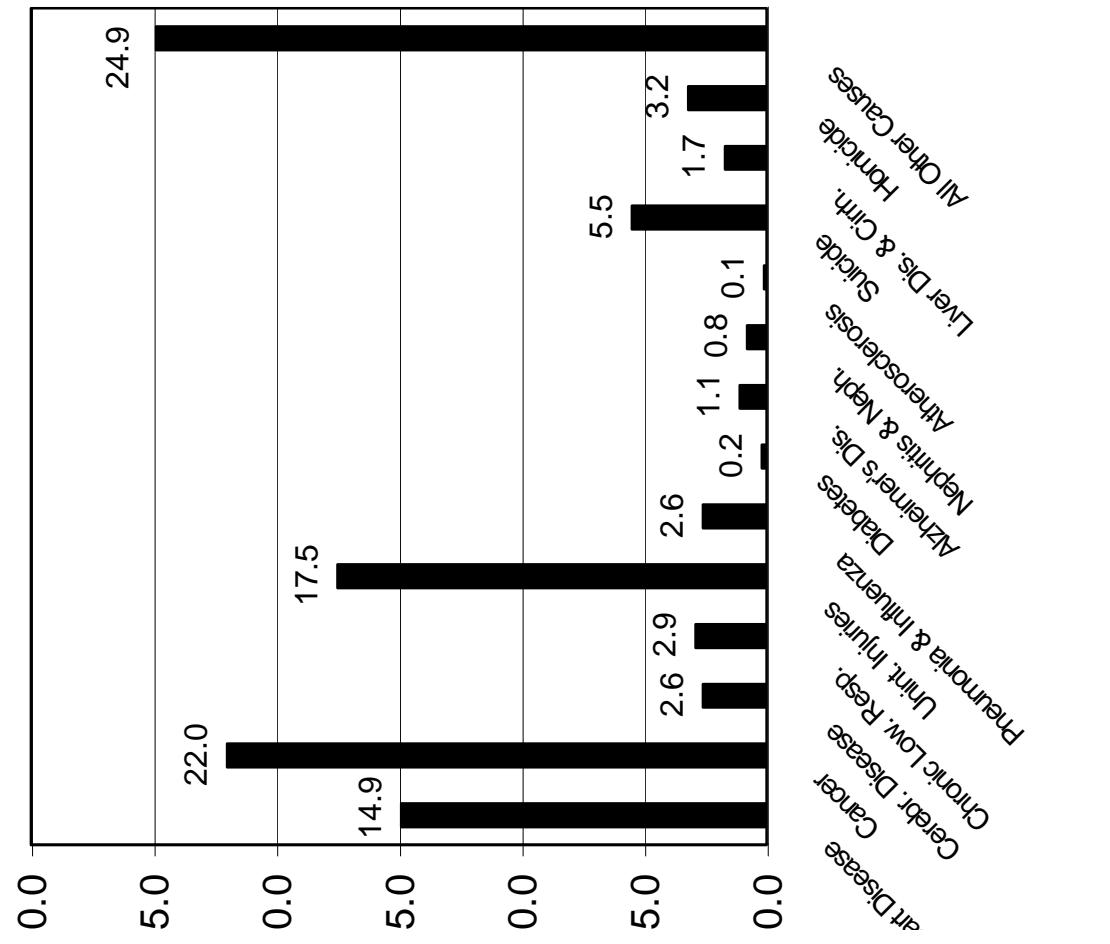


Figure 36

Table 53
Selected Causes Of Death By County Of Residence
Kansas, 2001

County of Residence	All Causes	Selected Causes of Death (ICD-10)							
		Tuber-culosis (A16-A19)	Residual Infect. & Para-sitic Dis. (A00-A15, A20-B99)	All Malignant Neoplasms (C00-C97)	Malignant Neoplasms of Digestive Organs (C15-C26)	Malignant Neoplasms of Respiratory and Intrathoracic Organs (C30-C39)	Malignant Neoplasm of Breast (C50)	Malignant Neoplasms of Genital Organs (C51-C63)	Malignant Neoplasms of Urinary Tract (C64-C68)
Kansas.....	24,590	6	422	5,431	1,246	1,580	354	600	283
Allen.....	192	0	1	43	15	9	2	3	3
Anderson.....	99	0	2	24	5	7	1	3	2
Atchison.....	172	0	1	41	12	12	4	5	3
Barber.....	66	0	1	16	5	6	1	1	1
Barton.....	315	1	2	72	20	25	5	4	1
Bourbon.....	186	0	1	39	8	9	2	4	7
Brown.....	129	0	3	14	6	0	2	2	1
Butler.....	492	0	8	116	20	30	8	14	8
Chase.....	40	0	0	11	2	5	1	1	0
Chautauqua.....	76	0	0	25	3	12	3	2	0
Cherokee.....	261	0	4	52	14	14	6	5	1
Cheyenne.....	42	0	3	13	2	1	0	6	0
Clark.....	22	0	0	4	1	0	0	2	0
Clay.....	99	0	0	21	8	7	0	4	0
Cloud.....	154	0	3	25	4	8	2	1	2
Coffey.....	129	0	2	28	3	6	2	4	2
Comanche.....	25	0	0	6	1	0	1	1	1
Cowley.....	437	0	13	94	27	32	4	7	2
Crawford.....	444	0	8	82	21	24	7	7	2
Decatur.....	59	0	1	10	7	0	0	1	0
Dickinson.....	224	0	3	57	13	16	3	6	2
Doniphan.....	90	0	2	15	5	5	0	2	0
Douglas.....	549	1	11	128	25	25	11	18	8
Edwards.....	40	0	0	9	3	1	0	3	0
Elk.....	56	0	1	18	8	4	0	2	1
Ellis.....	249	0	2	48	9	13	1	4	1
Ellsworth.....	93	0	1	18	2	8	2	3	0
Finney.....	207	0	6	40	12	16	0	3	4
Ford.....	295	0	4	61	16	19	6	5	4
Franklin.....	237	0	4	43	9	16	3	6	1
Geary.....	204	0	2	41	8	16	2	6	2
Gove.....	41	0	2	11	2	2	0	2	1
Graham.....	38	0	0	9	4	0	0	0	1
Grant.....	43	0	0	10	3	3	0	1	1
Gray.....	49	0	0	16	1	4	4	2	0
Greeley.....	15	0	0	0	0	0	0	0	0
Greenwood.....	136	0	1	32	5	7	3	5	3
Hamilton.....	32	0	1	5	1	2	1	0	0
Harper.....	96	0	1	17	4	7	0	0	2
Harvey.....	323	0	6	73	15	19	9	5	7
Haskell.....	36	0	0	5	0	3	0	1	0
Hodgeman.....	26	0	0	6	2	2	0	0	0
Jackson.....	141	0	3	31	9	6	2	6	0
Jefferson.....	150	0	3	34	8	8	0	4	3
Jewell.....	56	0	0	9	0	3	2	1	0
Johnson.....	2,855	0	46	701	137	214	51	70	40
Kearny.....	28	0	0	1	1	0	0	0	0
Kingman.....	114	0	0	33	8	7	0	5	4
Kiowa.....	47	0	0	7	2	2	0	0	0
Labette.....	303	0	4	63	9	20	6	9	2
Lane.....	18	0	0	7	2	1	1	3	0
Leavenworth.....	562	1	17	119	28	41	7	10	6
Lincoln.....	73	0	3	12	3	3	0	0	1
Linn.....	129	0	1	30	9	10	0	3	1
Logan.....	44	0	3	7	0	4	0	2	0

Table 53
Selected Causes Of Death By County Of Residence
Kansas, 2001

County of Residence	All Causes	Selected Causes of Death (ICD-10)							
		Tuber-culosis (A16-A19)	Residual Infect. & Para-sitic Dis. (A00-A15, A20-B99)	All Malignant Neoplasms (C00-C97)	Malignant Neoplasms of Digestive Organs (C15-C26)	Malignant Neoplasms of Respiratory and Intrathoracic Organs (C30-C39)	Malignant Neoplasm of Breast (C50)	Malignant Neoplasms of Genital Organs (C51-C63)	Malignant Neoplasms of Urinary Tract (C64-C68)
...									
Lyon.....	280	0	2	57	14	16	4	6	3
Marion.....	136	0	0	28	5	8	3	4	1
Marshall.....	146	0	1	25	6	7	0	3	0
McPherson.....	336	0	5	66	12	17	7	8	3
Meade.....	38	0	1	11	4	1	1	2	2
Miami.....	253	0	1	41	8	12	3	4	1
Mitchell.....	82	0	1	15	3	4	0	2	1
Montgomery.....	472	0	8	112	35	27	2	15	4
Morris.....	77	0	0	16	1	4	0	5	0
Morton.....	27	0	0	6	3	2	0	0	0
Nemaha.....	169	0	3	24	10	1	1	1	4
Neosho.....	192	0	4	53	8	13	2	10	4
Ness.....	42	0	0	9	2	2	0	3	0
Norton.....	65	0	0	11	3	3	1	1	2
Osage.....	191	0	4	37	5	9	3	7	4
Osborne.....	70	0	0	21	2	7	4	3	0
Ottawa.....	88	0	2	14	6	5	0	2	0
Pawnee.....	89	0	0	21	6	6	1	1	0
Phillips.....	85	0	2	18	3	4	1	1	4
Pottawatomie.....	169	0	3	40	10	13	4	2	1
Pratt.....	129	0	1	26	7	12	5	1	0
Rawlins.....	41	0	0	10	3	2	2	1	1
Reno.....	703	0	14	162	34	46	11	16	3
Republic.....	110	0	1	13	4	4	0	5	0
Rice.....	131	0	2	32	7	8	1	8	0
Riley.....	331	0	8	75	15	20	3	7	3
Rooks.....	80	0	1	19	6	2	0	5	2
Rush.....	61	0	1	17	5	4	2	2	2
Russell.....	98	0	3	30	13	8	1	3	0
Saline.....	506	0	13	107	24	40	3	12	8
Scott.....	47	0	0	15	7	4	0	0	0
Sedgwick.....	3,684	2	72	862	193	256	58	88	55
Seward.....	151	0	3	34	9	8	5	5	1
Shawnee.....	1,785	1	36	364	90	103	28	31	14
Sheridan.....	46	0	0	12	3	2	2	2	1
Sherman.....	67	0	0	11	5	2	0	2	0
Smith.....	79	0	0	20	7	3	1	2	1
Stafford.....	70	0	1	16	5	3	0	2	1
Stanton.....	15	0	0	5	0	0	1	1	2
Stevens.....	63	0	1	16	2	3	0	4	1
Sumner.....	247	0	0	64	17	16	6	7	4
Thomas.....	74	0	0	21	2	5	2	6	1
Trego.....	45	0	0	11	2	5	0	2	0
Wabaunsee.....	77	0	1	10	1	5	0	1	0
Wallace.....	21	0	0	2	1	1	0	0	0
Washington.....	109	0	1	23	9	9	1	2	0
Wichita.....	21	0	0	7	1	0	0	0	1
Wilson.....	138	0	2	26	5	4	0	5	1
Woodson.....	65	0	0	10	1	2	1	1	0
Wyandotte.....	1,551	0	44	334	75	128	19	35	16

Table 53
Selected Causes Of Death By County Of Residence
Kansas, 2001

County of Residence	Selected Causes of Death (ICD-10)									
	Leukemia (C91-C95)	Other Malignant Neoplasms (C00-C14, C40-C49, C69-C90, C96-C97)	Diabetes mellitus (E10-E14)	Alzheimer's Disease (G30)	Major Cardio- vascular Diseases (I00-I78)	Diseases of Heart (I00-I09, I11, I13, I20-I51)	Rheumatic Fever and Rheumatic Heart Diseases (I00-I09)	Hyperten- sive Heart Disease w, w/out Renal Disease (I11, I13)	Ischemic Heart Diseases (I20-I25)	Other Heart Diseases (I26-I51)
Kansas.....	228	1,140	720	640	9,271	6,691	40	132	4,402	2,117
Allen.....	3	8	11	4	84	80	0	1	53	26
Anderson.....	3	3	1	3	45	34	1	1	24	8
Atchison.....	2	3	10	2	55	39	2	1	19	17
Barber.....	1	1	2	3	29	23	0	0	17	6
Barton.....	4	13	11	5	123	97	1	6	57	33
Bourbon.....	0	9	1	3	78	59	1	0	35	23
Brown.....	0	3	1	0	57	41	1	0	24	16
Butler.....	7	29	13	7	195	132	0	5	88	39
Chase.....	0	2	0	0	14	12	0	0	8	4
Chautauqua.....	1	4	1	3	29	23	0	0	19	4
Cherokee.....	3	9	6	5	124	104	0	0	84	20
Cheyenne.....	2	2	0	0	13	9	1	0	6	2
Clark.....	0	1	0	0	15	12	0	0	5	7
Clay.....	0	2	3	3	36	21	0	0	13	8
Cloud.....	1	7	4	0	73	49	0	1	33	15
Coffey.....	2	9	5	4	46	35	1	0	21	13
Comanche.....	0	2	1	0	8	7	0	0	4	3
Cowley.....	4	18	18	9	142	109	1	3	62	43
Crawford.....	4	17	12	15	196	157	0	1	125	31
Decatur.....	1	1	5	0	21	15	0	0	12	3
Dickinson.....	2	15	3	1	95	71	1	1	54	15
Doniphan.....	0	3	2	1	38	26	1	1	17	7
Douglas.....	5	36	13	21	172	123	0	3	74	46
Edwards.....	0	2	0	1	20	15	0	0	8	7
Elk.....	1	2	0	1	21	19	0	0	17	2
Ellis.....	4	16	5	11	94	62	2	1	44	15
Ellsworth.....	2	1	2	1	38	26	0	1	18	7
Finney.....	0	5	5	0	64	49	1	0	35	13
Ford.....	2	9	6	10	108	76	2	4	49	21
Franklin.....	1	7	5	7	93	60	0	0	39	21
Geary.....	0	7	5	5	63	44	0	0	25	19
Gove.....	0	4	1	1	17	16	0	0	5	11
Graham.....	0	4	0	1	19	15	0	1	14	0
Grant.....	0	2	1	0	12	10	0	0	6	4
Gray.....	1	4	2	0	14	9	0	1	4	4
Greeley.....	0	0	4	0	4	3	0	0	3	0
Greenwood.....	2	7	3	0	58	44	1	0	32	11
Hamilton.....	0	1	0	0	7	7	1	0	3	3
Harper.....	1	3	4	2	38	26	0	0	18	8
Harvey.....	4	14	8	16	122	88	0	1	55	32
Haskell.....	0	1	0	0	14	13	0	2	11	0
Hodgeman.....	0	2	0	0	12	10	0	0	8	2
Jackson.....	1	7	2	2	61	43	1	4	28	10
Jefferson.....	2	9	8	1	49	37	0	0	21	16
Jewell.....	0	3	2	0	17	12	0	0	7	5
Johnson.....	36	153	61	97	1,116	673	1	5	430	237
Kearny.....	0	0	2	1	12	7	0	0	6	1
Kingman.....	0	9	5	3	45	32	1	2	22	7
Kiowa.....	1	2	3	3	21	15	0	0	10	5
Labette.....	1	16	7	12	124	82	0	1	59	22
Lane.....	0	0	0	0	7	5	0	0	3	2
Leavenworth.....	3	24	11	12	195	148	2	2	105	39
Lincoln.....	0	5	2	2	35	28	0	0	27	1
Linn.....	1	6	2	3	54	47	0	0	33	14
Logan.....	0	1	2	0	16	15	0	0	12	3

Table 53
Selected Causes Of Death By County Of Residence
Kansas, 2001

County of Residence	Selected Causes of Death (ICD-10)									
	Leukemia (C91-C95)	Other Malignant Neoplasms (C00-C14, C40-C49, C69-C90, C96-C97)	Diabetes mellitus (E10-E14)	Alzheimer's Disease (G30)	Major Cardio- vascular Diseases (I00-I78)	Diseases of Heart (I00-I09, I11, I13, I20-I51)	Rheumatic Fever and Rheumatic Heart Diseases (I00-I09)	Hyperten- sive Heart Disease w, w/out Renal Disease (I11, I13)	Ischemic Heart Diseases (I20-I25)	Other Heart Diseases (I26-I51)
...										
Lyon.....	5	9	13	9	106	77	0	4	44	29
Marion.....	0	7	3	7	50	30	0	0	14	16
Marshall.....	1	8	2	3	61	48	0	1	23	24
McPherson.....	1	18	7	11	149	103	0	2	63	38
Meade.....	1	0	5	0	14	11	0	0	5	6
Miami.....	3	10	5	6	109	90	1	0	74	15
Mitchell.....	2	3	3	2	25	14	0	0	10	4
Montgomery.....	5	24	13	11	171	128	2	4	89	33
Morris.....	2	4	1	3	36	20	0	0	14	6
Morton.....	1	0	0	0	14	11	0	0	9	2
Nemaha.....	2	5	9	5	78	51	1	0	21	29
Neosho.....	3	13	4	2	66	46	0	1	31	14
Ness.....	0	2	1	1	22	18	0	2	7	9
Norton.....	0	1	2	2	23	18	0	0	9	9
Osage.....	3	6	5	7	85	65	0	1	46	18
Osborne.....	0	5	4	1	28	27	0	1	22	4
Ottawa.....	0	1	2	1	46	38	0	0	33	5
Pawnee.....	2	5	8	2	33	25	0	1	15	9
Phillips.....	0	5	0	4	31	25	0	1	13	11
Pottawatomie.....	4	6	2	5	66	45	0	0	33	12
Pratt.....	0	1	3	12	37	28	0	0	15	13
Rawlins.....	0	1	1	0	16	12	0	0	9	3
Reno.....	10	42	17	23	244	164	3	1	86	74
Republic.....	0	0	8	2	50	34	0	1	17	16
Rice.....	2	6	5	5	51	38	0	1	24	13
Riley.....	2	25	9	10	122	90	1	2	50	37
Rooks.....	0	4	2	3	27	19	0	2	11	6
Rush.....	0	2	0	3	26	21	0	0	17	4
Russell.....	2	3	5	0	33	28	0	0	17	11
Saline.....	3	17	8	16	191	140	0	1	112	27
Scott.....	0	4	1	1	16	11	0	0	5	6
Sedgwick.....	35	177	110	89	1,315	970	5	29	623	313
Seward.....	0	6	7	1	56	41	1	0	29	11
Shawnee.....	11	87	72	43	677	511	2	19	342	148
Sheridan.....	0	2	2	3	19	13	0	0	11	2
Sherman.....	0	2	2	3	24	17	0	0	13	4
Smith.....	1	5	1	1	27	13	0	0	11	2
Stafford.....	1	4	3	0	31	22	0	0	15	7
Stanton.....	0	1	1	1	3	2	0	0	2	0
Stevens.....	0	6	5	1	21	16	1	1	9	5
Sumner.....	3	11	12	7	96	68	0	1	57	10
Thomas.....	1	4	2	1	31	27	0	0	18	9
Trego.....	0	2	0	1	23	16	0	0	10	6
Wabaunsee.....	0	3	5	1	35	26	0	0	20	6
Wallace.....	0	0	0	0	7	5	0	0	3	2
Washington.....	1	1	0	4	39	27	0	0	21	6
Wichita.....	1	4	2	0	7	4	0	0	1	3
Wilson.....	3	8	10	4	55	48	0	0	39	9
Woodson.....	1	4	2	0	27	20	0	0	12	8
Wyandotte.....	8	53	55	42	494	356	0	7	217	132

Table 53
Selected Causes Of Death By County Of Residence
Kansas, 2001

County of Residence	Selected Causes of Death (ICD-10)								
	Hypertension and Hypertensive Renal Disease (I10, I12)	Cerebro-vascular Diseases (I60-I69)	Athero-sclerosis (I70)	Other Diseases of Arteries, Arterioles and Capillaries (I71-I78)	Pneumonia and Influenza (J10-J18)	Chronic Lower Respiratory Diseases (J40-J47)	Peptic Ulcer (K25-K28)	Chronic Liver Disease and Cirrhosis (K70, K73-K74)	Nephritis, Nephrotic Syndr. and Nephrosis (N00-N07, N17-N19, N25-N27)
Kansas.....	180	1,842	305	253	557	1,439	57	207	500
Allen.....	0	3	0	1	2	13	0	0	3
Anderson.....	0	9	1	1	0	5	1	3	5
Atchison.....	0	14	1	1	2	14	0	3	1
Barber.....	0	6	0	0	2	2	0	0	1
Barton.....	2	17	4	3	14	16	1	1	7
Bourbon.....	1	12	3	3	5	14	0	1	4
Brown.....	1	12	0	3	7	8	0	1	5
Butler.....	5	43	7	8	11	33	2	1	12
Chase.....	0	2	0	0	2	3	0	0	0
Chautauqua.....	0	6	0	0	0	5	0	1	2
Cherokee.....	5	14	0	1	7	20	2	2	4
Cheyenne.....	0	3	0	1	1	2	0	1	3
Clark.....	0	3	0	0	0	0	0	0	0
Clay.....	5	10	0	0	2	8	0	1	1
Cloud.....	5	16	0	3	9	9	0	3	3
Coffey.....	1	10	0	0	6	11	2	0	9
Comanche.....	0	1	0	0	0	1	0	0	3
Cowley.....	1	25	1	6	8	35	0	4	15
Crawford.....	1	31	2	5	13	25	0	2	3
Decatur.....	0	4	0	2	1	5	0	1	2
Dickinson.....	0	23	1	0	6	14	0	1	3
Doniphan.....	1	8	2	1	7	4	0	3	1
Douglas.....	2	38	2	7	6	29	1	10	10
Edwards.....	1	3	0	1	0	3	0	0	1
Elk.....	1	1	0	0	2	1	0	0	4
Ellis.....	2	25	1	4	4	15	1	4	6
Ellsworth.....	2	8	0	2	8	8	0	0	3
Finney.....	0	13	1	1	6	13	0	1	4
Ford.....	1	28	1	2	6	27	1	6	5
Franklin.....	2	25	1	5	4	8	1	3	2
Geary.....	0	18	1	0	2	14	1	3	6
Gove.....	0	1	0	0	0	1	0	1	0
Graham.....	0	3	1	0	0	1	0	0	0
Grant.....	0	2	0	0	1	2	1	0	3
Gray.....	0	5	0	0	0	2	0	0	2
Greeley.....	0	1	0	0	0	3	0	0	0
Greenwood.....	1	10	2	1	5	5	1	1	0
Hamilton.....	0	0	0	0	2	2	0	0	2
Harper.....	1	11	0	0	4	4	2	2	6
Harvey.....	3	28	0	3	12	8	0	1	9
Haskell.....	0	1	0	0	1	3	0	0	0
Hodgeman.....	0	1	1	0	1	3	0	0	0
Jackson.....	1	15	1	1	4	6	0	1	3
Jefferson.....	0	11	1	0	5	9	0	4	2
Jewell.....	0	4	0	1	2	4	0	0	2
Johnson.....	18	231	166	28	59	151	1	25	49
Kearny.....	0	4	0	1	1	3	1	0	0
Kingman.....	0	11	0	2	2	3	1	1	5
Kiowa.....	0	6	0	0	0	3	0	0	1
Labette.....	3	30	7	2	14	14	3	0	8
Lane.....	0	2	0	0	0	1	0	0	0
Leavenworth.....	4	34	2	7	11	34	3	8	17
Lincoln.....	0	7	0	0	4	1	0	0	1
Linn.....	1	4	1	1	6	7	0	0	1
Logan.....	0	0	0	1	1	4	0	0	2

Table 53
Selected Causes Of Death By County Of Residence
Kansas, 2001

County of Residence	Selected Causes of Death (ICD-10)								
	Hypertension and Hypertensive Renal Disease (I10, I12)	Cerebro-vascular Diseases (I60-I69)	Athero-sclerosis (I70)	Other Diseases of Arteries, Arterioles and Capillaries (I71-I78)	Pneumonia and Influenza (J10-J18)	Chronic Lower Respiratory Diseases (J40-J47)	Peptic Ulcer (K25-K28)	Chronic Liver Disease and Cirrhosis (K70, K73-K74)	Nephritis, Nephrotic Syndr. and Nephrosis (N00-N07, N17-N19, N25-N27)
::									
Lyon.....	3	22	4	0	10	16	0	2	5
Marion.....	1	18	1	0	4	7	1	0	5
Marshall.....	0	12	0	1	6	8	0	2	4
McPherson.....	1	39	4	2	6	13	2	3	6
Meade.....	0	1	0	2	0	0	0	0	0
Miami.....	5	13	1	0	4	15	0	3	3
Mitchell.....	1	8	0	2	6	9	0	1	5
Montgomery.....	2	36	2	3	10	18	3	2	8
Morris.....	1	13	0	2	2	2	1	0	0
Morton.....	1	1	0	1	1	1	0	1	1
Nemaha.....	2	21	2	2	6	6	0	0	2
Neosho.....	3	13	1	3	6	18	0	1	4
Ness.....	1	0	3	0	0	3	0	0	1
Norton.....	0	4	0	1	0	9	0	1	3
Osage.....	2	16	1	1	5	13	1	0	6
Osborne.....	0	1	0	0	3	3	0	0	1
Ottawa.....	1	6	0	1	0	7	0	0	1
Pawnee.....	0	6	2	0	2	8	0	0	0
Phillips.....	0	5	1	0	3	6	0	0	1
Pottawatomie.....	0	19	2	0	6	7	1	0	2
Pratt.....	0	7	2	0	3	12	0	0	2
Rawlins.....	1	2	1	0	2	4	0	0	1
Reno.....	3	65	3	9	15	40	2	9	17
Republic.....	0	10	3	3	5	4	1	0	3
Rice.....	0	10	0	3	2	10	0	0	0
Riley.....	2	24	2	4	7	17	0	3	7
Rooks.....	2	5	0	1	1	2	1	0	2
Rush.....	1	4	0	0	3	3	0	1	0
Russell.....	2	2	0	1	4	8	0	0	1
Saline.....	5	39	7	0	14	38	0	2	11
Scott.....	1	2	0	2	1	4	0	1	0
Sedgwick.....	38	234	23	50	60	212	11	32	73
Seward.....	1	9	2	3	0	15	1	1	1
Shawnee.....	12	127	9	18	39	112	2	18	23
Sheridan.....	0	5	0	1	1	1	0	0	0
Sherman.....	1	4	1	1	2	4	0	1	2
Smith.....	0	11	1	2	5	4	0	1	0
Stafford.....	0	7	2	0	2	3	0	0	0
Stanton.....	0	1	0	0	0	1	0	0	0
Stevens.....	0	3	0	2	2	4	0	0	1
Sumner.....	3	19	4	2	0	8	0	3	6
Thomas.....	0	3	0	1	3	1	0	0	2
Trego.....	0	5	0	2	1	2	1	0	1
Wabaunsee.....	0	7	0	2	1	10	0	0	1
Wallace.....	0	2	0	0	0	4	0	0	1
Washington.....	1	11	0	0	2	6	0	1	2
Wichita.....	0	3	0	0	0	1	0	0	1
Wilson.....	0	7	0	0	2	7	0	1	3
Woodson.....	0	5	1	1	1	3	0	0	0
Wyandotte.....	12	102	9	15	21	91	3	17	40

Table 53
Selected Causes Of Death By County Of Residence
Kansas, 2001

County of Residence	Selected Causes of Death (ICD-10)								
	Pregnancy, Childbirth and the Puerperium (O00-O99)	Congenital Anomalies (Q00-Q99)	Cert. Cond. Originating in the Perinatal Period (P00-P96)	Symptoms, Signs and Abnormal Findings (R00-R99)	Motor Vehicle Accidents *	All Other Accidents and Adverse Effects **	Suicide (X60-X84, Y87.0)	Homicide (X85-Y09, Y87.1)	All Other Causes
Kansas.....	1	109	122	408	534	656	297	144	3,069
Allen.....	0	1	0	3	4	8	2	0	13
Anderson.....	0	0	0	4	3	2	0	0	1
Atchison.....	1	1	0	2	7	3	0	0	29
Barber.....	0	0	0	0	2	2	1	0	5
Barton.....	0	0	1	7	7	9	3	1	34
Bourbon.....	0	0	0	5	4	4	2	1	24
Brown.....	0	1	0	3	3	2	0	0	24
Butler.....	0	1	1	4	11	14	4	1	58
Chase.....	0	1	0	1	0	0	0	0	8
Chautauqua.....	0	1	0	1	1	2	1	1	3
Cherokee.....	0	1	0	0	7	3	3	1	20
Cheyenne.....	0	0	0	1	3	0	0	0	2
Clark.....	0	0	0	0	1	0	0	0	2
Clay.....	0	1	0	1	1	4	0	0	17
Cloud.....	0	0	0	1	4	2	0	0	18
Coffey.....	0	0	0	0	2	0	0	0	14
Comanche.....	0	0	0	0	0	0	0	0	6
Cowley.....	0	3	4	9	9	16	3	1	54
Crawford.....	0	2	1	7	11	7	9	2	49
Decatur.....	0	0	0	2	0	2	0	0	9
Dickinson.....	0	1	1	1	3	5	2	0	28
Doniphan.....	0	0	1	2	2	4	0	1	7
Douglas.....	0	5	2	10	17	11	11	2	89
Edwards.....	0	0	0	0	2	1	0	0	3
Elk.....	0	0	0	0	3	2	0	0	3
Ellis.....	0	2	0	2	8	8	3	0	36
Ellsworth.....	0	0	0	1	6	2	1	0	4
Finney.....	0	0	4	3	3	19	1	2	36
Ford.....	0	3	4	9	2	5	2	3	33
Franklin.....	0	1	2	2	12	4	7	1	38
Geary.....	0	2	5	1	5	8	8	5	28
Gove.....	0	0	0	0	0	2	0	0	5
Graham.....	0	0	0	0	2	0	1	0	5
Grant.....	0	0	0	0	1	2	0	0	10
Gray.....	0	1	0	0	1	0	1	0	10
Greeley.....	0	0	0	1	3	0	0	0	0
Greenwood.....	0	1	0	1	4	5	0	0	19
Hamilton.....	0	0	0	3	1	3	0	0	6
Harper.....	0	0	0	1	1	3	0	0	11
Harvey.....	0	0	0	1	12	9	3	1	42
Haskell.....	0	0	2	0	7	0	2	0	2
Hodgeman.....	0	0	0	1	0	0	0	0	3
Jackson.....	0	1	1	3	2	2	0	1	18
Jefferson.....	0	1	0	4	4	3	1	1	21
Jewell.....	0	0	0	3	1	1	1	0	14
Johnson.....	0	13	19	23	34	65	45	6	344
Kearny.....	0	0	0	1	1	1	0	0	4
Kingman.....	0	0	0	0	2	1	0	0	13
Kiowa.....	0	0	0	0	2	1	1	0	5
Labette.....	0	0	0	7	6	8	1	2	30
Lane.....	0	0	0	0	0	0	0	0	3
Leavenworth.....	0	4	3	8	15	14	9	1	80
Lincoln.....	0	0	0	1	3	1	1	1	6
Linn.....	0	1	0	4	2	4	2	0	12
Logan.....	0	0	0	0	2	0	0	0	7

Table 53
Selected Causes Of Death By County Of Residence
Kansas, 2001

County of Residence	Selected Causes of Death (ICD-10)								
	Pregnancy, Childbirth and the Puerperium (O00-O99)	Congenital Anomalies (Q00-Q99)	Cert. Cond. Originating in the Perinatal Period (P00-P96)	Symptoms, Signs and Abnormal Findings (R00-R99)	Motor Vehicle Accidents *	All Other Accidents and Adverse Effects **	Suicide (X60-X84, Y87.0)	Homicide (X85-Y09, Y87.1)	All Other Causes
...									
Lyon.....	0	0	0	3	8	7	8	3	31
Marion.....	0	0	0	6	4	6	1	0	14
Marshall.....	0	0	0	7	3	4	1	0	19
McPherson.....	0	1	2	3	3	9	1	0	49
Meade.....	0	0	0	0	2	0	0	0	5
Miami.....	0	1	0	3	13	4	8	0	37
Mitchell.....	0	0	0	3	0	1	2	0	9
Montgomery.....	0	3	2	12	12	22	5	0	60
Morris.....	0	0	0	0	2	1	3	0	10
Morton.....	0	0	0	0	0	1	0	0	2
Nemaha.....	0	1	0	3	2	6	2	0	22
Neosho.....	0	0	0	0	9	5	3	0	17
Ness.....	0	0	0	0	1	0	0	0	4
Norton.....	0	0	0	6	0	2	1	0	5
Osage.....	0	0	0	1	4	4	1	1	17
Osborne.....	0	0	0	3	1	0	0	0	5
Ottawa.....	0	0	0	2	0	1	0	0	12
Pawnee.....	0	1	0	0	0	5	0	0	9
Phillips.....	0	0	3	7	0	2	0	0	8
Pottawatomie.....	0	0	2	1	6	5	0	1	22
Pratt.....	0	1	0	1	1	4	1	0	25
Rawlins.....	0	0	0	0	0	0	0	0	7
Reno.....	0	3	3	25	19	12	6	2	90
Republic.....	0	0	0	8	1	0	1	0	13
Rice.....	0	0	0	1	8	2	1	0	12
Riley.....	0	2	1	3	5	13	5	1	43
Rooks.....	0	1	0	0	3	3	0	0	15
Rush.....	0	0	0	0	2	1	1	0	3
Russell.....	0	0	0	2	3	1	0	1	7
Saline.....	0	5	0	9	12	17	4	0	59
Scott.....	0	0	0	2	0	2	1	0	3
Sedgwick.....	0	17	44	36	67	114	48	19	501
Seward.....	0	2	2	2	3	6	2	2	13
Shawnee.....	0	9	3	22	29	54	20	23	238
Sheridan.....	0	0	0	0	1	2	1	0	4
Sherman.....	0	1	0	1	1	7	1	0	7
Smith.....	0	0	0	7	0	2	0	0	11
Stafford.....	0	0	0	1	3	1	0	0	9
Stanton.....	0	0	0	0	2	0	0	0	2
Stevens.....	0	1	0	0	3	0	0	0	8
Sumner.....	0	1	0	1	8	4	2	0	35
Thomas.....	0	1	0	1	3	1	1	0	6
Trego.....	0	0	0	0	0	0	1	0	4
Wabaunsee.....	0	0	0	0	1	2	0	1	9
Wallace.....	0	0	0	0	1	1	1	0	4
Washington.....	0	0	0	10	2	6	0	0	13
Wichita.....	0	0	0	0	1	0	0	1	1
Wilson.....	0	0	0	2	3	2	2	0	19
Woodson.....	0	0	0	4	1	4	0	0	13
Wyandotte.....	0	9	9	66	32	36	31	54	173

* Motor-Vehicle ICD-10 Codes: V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2

** All Other Accidents: V01, V05-V06, V09.1, V09.3-V09.9, V10-V11, V15-V18, V19.3, V19.8-V19.9, V80.0-V80.2, V80.6-V80.9, V81.2-V81.9, V82.2-V82.9, V87.9, V88.9, V89.1, V89.3, V89.9, V90-X59, Y40-Y86, Y88

Table 54
Deaths from 39 Selected Causes
By Age-Group And Sex Of Decedent
Kansas, 2001

Table 54
Deaths from 39 Selected Causes
By Age-Group And Sex Of Decedent
Kansas, 2001

Cause of Death and Sex of Decedent (ICD-10 Code)	Total	Age-Group									85 & Over
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	
Cancer of Urinary Tract (C64-C68)	283	0	0	0	0	0	4	13	37	73	89
Male.....	192	0	0	0	0	0	3	9	22	49	65
Female.....	91	0	0	0	0	0	1	4	15	24	44
Non-Hodgkin's Lymphoma (C82-C85)	267	0	0	2	1	0	7	21	29	69	86
Male.....	142	0	0	1	1	0	6	14	18	33	47
Female.....	125	0	0	1	0	0	1	7	11	36	39
Leukemia (C91-C95)	228	1	0	1	6	2	5	15	16	48	99
Male.....	119	0	0	1	5	2	3	9	9	28	50
Female.....	109	1	0	0	1	0	2	6	7	20	49
Other Malignant Neoplasms*	1,209	1	1	5	14	15	41	103	204	298	339
Male.....	698	1	0	3	7	8	22	72	128	198	179
Female.....	511	0	1	2	7	7	19	31	76	100	160
Diabetes Mellitus (E10-E14)	720	0	0	1	1	4	23	53	97	129	237
Male.....	326	0	0	1	1	3	16	27	43	56	119
Female.....	394	0	0	0	0	1	7	26	54	73	118
Alzheimer's Disease (G30)	640	0	0	0	0	0	0	0	3	38	211
Male.....	198	0	0	0	0	0	0	0	2	17	76
Female.....	442	0	0	0	0	0	0	0	1	21	135
Hypertensive Heart Disease (I11, I13)	132	0	0	0	1	0	1	6	2	11	37
Male.....	38	0	0	0	0	0	1	4	0	7	11
Female.....	94	0	0	0	1	0	0	2	2	4	26
Ischemic Heart Disease (I20-I25)	4,402	1	0	0	1	7	62	221	351	730	1,383
Male.....	2,254	1	0	0	1	6	48	175	252	466	743
Female.....	2,148	0	0	0	0	1	14	46	99	264	640
Other Heart Disease (I00-I09, I26-I51)	2,157	5	2	2	4	14	38	85	139	241	601
Male.....	835	3	1	0	1	10	20	49	84	128	262
Female.....	1,322	2	1	2	3	4	18	36	55	113	339
Hypertensive Renal Disease (I10, I12)	180	0	0	0	0	0	1	4	8	20	62
Male.....	52	0	0	0	0	0	1	2	2	5	22
Female.....	128	0	0	0	0	0	0	0	6	15	40

Table 54
 Deaths from 39 Selected Causes
 By Age-Group And Sex Of Decedent
 Kansas, 2001

Table 54
Deaths from 39 Selected Causes
By Age-Group And Sex Of Decedent
Kansas, 2001

Cause of Death and Sex of Decedent (ICD-10 Code)	Total	Age-Group										85 & Over
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	
Congenital Anomalies (Q00-Q99).....	109	62	6	0	5	4	6	8	3	6	8	1
Male.....	60	33	3	0	5	2	3	5	2	5	2	0
Female.....	49	29	3	0	0	2	3	3	1	1	6	1
Sudden Infant Death Syndrome (R85).....	41	41	0	0	0	0	0	0	0	0	0	0
Male.....	25	25	0	0	0	0	0	0	0	0	0	0
Female.....	16	16	0	0	0	0	0	0	0	0	0	0
Symptoms and Abnormal Findings (R00-R94, R96-R99).....	367	2	1	2	6	11	19	23	36	45	67	155
Male.....	163	0	0	0	4	6	14	17	27	25	29	41
Female.....	204	2	1	2	2	5	5	6	9	20	38	114
All Other Diseases**.....	3,427	22	14	7	20	33	120	189	238	451	1,002	1,331
Male.....	1,442	17	7	3	10	19	61	114	133	232	458	388
Female.....	1,985	5	7	4	10	14	59	75	105	219	544	943
Motor Vehicle Accidents***.....	534	0	10	26	152	67	70	72	40	36	37	24
Male.....	375	0	8	15	112	50	48	55	26	23	24	14
Female.....	159	0	2	11	40	17	22	17	14	13	13	10
All Other Accidents and Adverse Effects***.....	656	18	13	18	34	41	80	83	55	50	117	147
Male.....	377	8	8	12	30	31	54	61	37	33	54	49
Female.....	279	10	5	6	4	10	26	22	18	17	63	98
Suicide X60-X84, Y87.0.....	297	0	0	2	62	52	73	40	35	16	14	3
Male.....	241	0	0	1	57	46	49	33	28	13	12	2
Female.....	56	0	0	1	5	6	24	7	7	3	2	1
Homicide X85-Y09, Y87.1.....	144	6	7	1	37	31	23	17	13	5	2	2
Male.....	100	1	4	0	32	26	11	14	8	1	2	1
Female.....	44	5	3	1	5	5	12	3	5	4	0	1
All Other External Causes Y10-Y36, Y87.2, Y89.....	25	1	0	0	4	2	9	4	0	2	1	2
Male.....	18	1	0	0	4	2	5	2	0	2	0	2
Female.....	7	0	0	0	0	0	4	2	0	0	1	0

* C00-C15, C17, C22-C24, C26-C32, C37-C49, C51-C52, C57-C60, C62-C63, C69-C81, C88, C90, C96-C97

**A00-A09, A20-A49, A54-B19, B25-B99, D00-E07, E15-G25, G31-H93, I80-J06, J20-J39, J60-K22, K29-K66, K71-K72, K75-M99, N10-N15, N20-N23, N28-N98

***V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2

****V01, V05-V06, V09.1, V09.3-V09.9, V10-V11, V15-V18, V19.3, V19.8-V19.9, V80.0-V80.2, V80.6-V80.9, V81.2-V81.9, V82.2-V82.9, V87.9, V88.9, V89.1, V89.3, V89.9, V90-X59, Y40-Y86, Y88

Residence data

Marriages & Marriage Dissolutions

Marriages

In 2001, 20,457 marriages occurred in Kansas, an increase of 0.2 percent from the 2000 total of 20,426 marriages. (Table 55)

The greatest number of marriages (3,912) occurred in Sedgwick county, but Geary county had the highest marriage rate of 19.1 marriages per 1,000 population. Greeley county had the fewest marriages (8) while Gove and Sheridan had the lowest marriage rate (3.7). (Table 55, Figure 37)

The Kansas marriage rate in 2001 was 7.6 marriages per 1,000 population, which was 12.6 percent lower than the 1991 rate of 8.7. The 2001 rate was 9.5 percent lower than the estimated U.S. rate of 8.4 marriages per 1,000 population. (Table 1, Figure 39)

More wedding ceremonies were performed in June (12.9 percent) than any other month in 2001, with September and July being the second and third most popular months. (Figure 41)

First-time marriages for both partners made up more than half of the marriages in Kansas for the third consecutive year. In 2001, 52.0 percent of all marriages involved first-time partners. (Table 57, Figure 2)

Kansas couples are delaying marriage. In 1991, 12.6 percent of the brides and 5.0 percent of the grooms were under 20 years of age. However, in 2001, 9.9 percent of the brides and 3.9 percent of the grooms were under 20. (Table 58)

The average age of all brides in 2001 was 29.7 years and that of grooms was 31.9 years. Women marrying for the first time averaged 24.5 years while first time grooms averaged 26.6 years. Of those persons who remarried during 2001, women were, on the average, 38.9 years old and men were 41.9 years of age. (Figure 42)

Marriage and Marriage Dissolutions (Cont.)

Marriage Dissolutions

In 2001, 9,885 marriage dissolutions (9,587 divorces and 298 annulments) occurred in Kansas, a decrease of 2.2 percent from the 2000 total of 10,105. (Table 56 and Table 60)

The greatest number of marriage dissolutions (3,004) occurred in Sedgwick county, but Coffey county had the highest marriage dissolution rate (12.7) per 1,000 population. Greeley county had no marriage dissolutions in 2001. Chase county had 1 and also had the lowest dissolution rate of 0.3 per 1,000 population. (Table 56, Figure 38)

The Kansas marriage dissolution rate in 2001 was 3.7 marriage dissolutions per 1,000 population, which was 27.5 percent lower than the 1991 rate of 5.1. The 2001 rate (3.7) is identical to the 1999 rate which was the lowest since 1970. (Table 1, Figure 40)

Kansas has generally reported a higher marriage dissolution rate than the U.S. for most years since 1951. However, Kansas' rate in 1995 (4.3) was lower than the U.S. rate (4.4) for the first time since 1951. The Kansas rate in 2001 (3.7) was 7.5 percent lower than the U.S. rate (4.0). (Figure 40)

The ratios of marriages to divorces for Kansas and the U.S. were both roughly 2 to 1, with both Kansas and the U.S. at 2.1:1. (Table 55 and Table 56)

The most common age-group of wives involved in marriage dissolutions in 2001 was 30-34, while for husbands it was the 35-39 age-group. For couples of the same age-group, the most common age-group was 25-29. (Table 59)

The average age at marriage dissolution in 2001 was 35.7 years for wives and 38.2 years for husbands, as compared to 33.5 years for wives and 35.9 years for husbands in 1991. (Figure 43)

In 2001, 42.1 percent of marriages ending in divorce or annulment lasted four years or less. (Table 60)

There were 9,363 minor children affected as a result of marriage dissolutions in 2001. At least one minor child was reported in over half (52.5 percent) of the marriage dissolutions. (Table 61, Figure 44)

Table 55
 Marriages By Number And Rate*
 By County Of Marriage And By Peer Group**
 Kansas, 1997-2001

County of Marriage	Year										5-Year Rate	
	1997		1998		1999		2000		2001			
	Number	Rate										
Kansas.....	20,537	7.9	20,403	7.8	20,905	7.9	20,426	7.6	20,457	7.6	7.8	
Allen.....	117	8.1	92	6.3	96	6.7	86	6.0	90	6.3	6.7	
Anderson.....	54	6.7	74	9.2	75	9.2	54	6.7	63	7.7	7.9	
Atchison.....	136	8.3	138	8.2	116	6.9	118	7.0	130	7.8	7.6	
Barber.....	49	9.1	51	9.5	40	7.6	33	6.2	47	9.1	8.3	
Barton.....	250	8.9	215	7.8	243	8.5	251	8.9	246	8.8	8.6	
Bourbon.....	121	7.9	139	9.1	128	8.5	129	8.4	131	8.5	8.5	
Brown.....	71	6.4	78	7.0	84	7.7	77	7.2	84	7.9	7.2	
Butler.....	407	6.8	458	7.4	476	7.6	421	7.1	412	6.8	7.1	
Chase.....	36	12.4	34	11.5	44	15.4	34	11.2	46	15.2	13.1	
Chautauqua.....	35	8.0	53	12.2	48	11.2	42	9.6	38	8.9	10.0	
Cherokee.....	141	6.3	139	6.2	121	5.4	123	5.4	138	6.2	5.9	
Cheyenne.....	22	6.9	21	6.6	22	6.8	20	6.3	15	4.8	6.3	
Clark.....	17	7.0	17	7.2	22	9.4	16	6.7	24	10.1	8.1	
Clay.....	60	6.5	83	9.1	60	6.7	71	8.0	52	5.9	7.2	
Cloud.....	66	6.5	71	7.1	91	9.1	76	7.4	62	6.2	7.3	
Coffey.....	65	7.4	69	7.9	58	6.6	74	8.3	67	7.6	7.6	
Comanche.....	9	4.5	1	0.5	18	9.2	22	11.2	19	9.7	7.0	
Cowley.....	334	9.1	280	7.7	313	8.5	297	8.2	289	8.0	8.3	
Crawford.....	228	6.3	240	6.6	272	7.5	246	6.4	252	6.6	6.7	
Decatur.....	32	9.1	26	7.5	28	8.3	33	9.5	26	7.6	8.4	
Dickinson.....	165	8.4	193	9.8	194	9.9	157	8.1	156	8.1	8.9	
Doniphan.....	53	6.9	61	7.8	51	6.4	63	7.6	56	6.7	7.1	
Douglas.....	781	8.6	761	8.2	706	7.2	733	7.3	729	7.3	7.7	
Edwards.....	23	6.7	28	8.5	28	8.5	20	5.8	25	7.5	7.4	
Elk.....	25	7.4	20	6.0	26	7.7	26	8.0	24	7.5	7.3	
Ellis.....	182	6.9	210	8.0	220	8.4	207	7.5	205	7.5	7.7	
Ellsworth.....	62	9.9	42	6.7	49	7.9	53	8.1	43	6.6	7.8	
Finney.....	347	9.7	325	8.9	353	9.4	318	7.8	381	9.5	9.1	
Ford.....	332	11.3	273	9.3	314	10.6	259	8.0	370	11.5	10.1	
Franklin.....	192	8.1	179	7.2	222	8.8	167	6.7	200	8.0	7.8	
Geary.....	422	16.7	491	19.4	509	20.4	450	16.1	511	19.1	18.3	
Gove.....	12	3.9	9	2.9	17	5.6	15	4.9	11	3.7	4.2	
Graham.....	29	8.9	17	5.3	20	6.4	22	7.5	12	4.2	6.5	
Grant.....	72	9.1	59	7.4	62	7.9	69	8.7	64	8.2	8.3	
Gray.....	32	5.8	34	6.1	33	5.9	40	6.8	40	6.7	6.3	
Greeley.....	9	5.2	10	5.9	9	5.5	6	3.9	8	5.3	5.2	
Greenwood.....	48	6.0	60	7.4	55	6.9	61	7.9	59	7.6	7.2	
Hamilton.....	23	10.1	22	9.4	17	7.2	21	7.9	22	8.2	8.6	
Harper.....	52	8.0	52	8.1	45	7.1	56	8.6	49	7.7	7.9	
Harvey.....	255	8.1	246	7.2	249	7.3	254	7.7	234	7.1	7.5	
Haskell.....	23	5.7	31	7.8	29	7.2	23	5.3	33	7.7	6.7	
Hodgeman.....	16	7.2	5	2.3	7	3.1	9	4.3	12	5.6	4.5	
Jackson.....	83	6.9	91	7.5	80	6.6	76	6.0	76	6.0	6.6	
Jefferson.....	113	6.3	119	6.5	118	6.5	102	5.5	99	5.3	6.0	
Jewell.....	21	5.3	23	5.9	23	6.1	17	4.5	21	5.8	5.5	
Johnson.....	2,597	6.2	2,534	5.9	2,612	5.9	2,686	6.0	2,639	5.7	5.9	
Kearny.....	40	9.5	30	7.2	29	7.0	28	6.2	20	4.4	6.9	
Kingman.....	56	6.6	54	6.3	50	5.8	57	6.6	55	6.5	6.4	
Kiowa.....	21	6.1	26	7.5	26	7.8	23	7.0	22	7.0	7.1	
Labette.....	148	6.5	173	7.5	132	5.8	139	6.1	137	6.1	6.4	
Lane.....	9	4.1	17	7.5	16	7.4	17	7.9	19	9.1	7.2	
Leavenworth.....	510	7.3	484	6.8	542	7.6	515	7.5	551	7.8	7.4	
Lincoln.....	28	8.4	30	9.0	32	9.6	27	7.5	16	4.5	7.8	
Linn.....	67	7.4	62	6.8	74	8.0	75	7.8	69	7.1	7.4	
Logan.....	34	11.2	35	11.7	15	5.1	36	11.8	16	5.4	9.0	

Table 55
 Marriages By Number And Rate*
 By County Of Marriage And By Peer Group**
 Kansas, 1997-2001

County of Marriage	Year										5-Year Rate	
	1997		1998		1999		2000		2001			
	Number	Rate										
Lyon.....	273	8.0	263	7.8	289	8.6	295	8.2	268	7.5	8.0	
Marion.....	86	6.7	86	6.3	92	6.8	75	5.6	76	5.7	6.2	
Marshall.....	86	7.7	69	6.3	78	7.2	87	7.9	81	7.5	7.3	
McPherson.....	216	7.8	248	8.7	229	7.9	229	7.7	212	7.2	7.9	
Meade.....	33	7.5	38	8.6	37	8.4	32	6.9	30	6.5	7.6	
Miami.....	167	6.4	213	8.0	174	6.4	208	7.3	227	7.9	7.2	
Mitchell.....	61	8.7	50	7.2	53	7.6	60	8.7	51	7.5	7.9	
Montgomery.....	321	8.6	301	8.1	318	8.6	325	9.0	312	8.8	8.6	
Morris.....	57	9.2	56	9.1	55	8.9	57	9.3	50	8.2	8.9	
Morton.....	25	7.4	21	6.1	30	8.6	46	13.2	31	9.2	8.9	
Nemaha.....	73	7.1	87	8.6	67	6.6	88	8.2	90	8.6	7.8	
Neosho.....	122	7.2	128	7.6	120	7.2	127	7.5	123	7.3	7.4	
Ness.....	29	8.0	28	7.8	21	5.9	24	6.9	26	7.8	7.3	
Norton.....	49	8.4	56	9.7	38	6.7	33	5.5	45	7.7	7.6	
Osage.....	110	6.4	86	5.0	125	7.3	115	6.9	93	5.5	6.2	
Osborne.....	19	4.2	22	4.7	20	4.4	24	5.4	32	7.4	5.2	
Ottawa.....	41	7.0	26	4.4	44	7.5	31	5.0	28	4.5	5.7	
Pawnee.....	56	7.7	50	6.7	47	6.5	58	8.0	57	8.2	7.4	
Phillips.....	43	7.1	39	6.4	58	9.7	38	6.3	30	5.1	6.9	
Pottawatomie.....	92	5.1	103	5.5	134	7.1	85	4.7	83	4.5	5.4	
Pratt.....	80	8.2	78	8.0	94	9.9	79	8.2	78	8.2	8.5	
Rawlins.....	14	4.4	24	7.7	25	8.3	17	5.7	21	7.2	6.7	
Reno.....	596	9.5	593	9.4	594	9.3	560	8.6	512	8.0	9.0	
Republic.....	56	9.1	39	6.4	43	7.2	41	7.0	25	4.4	6.8	
Rice.....	87	8.7	62	6.0	65	6.4	64	5.9	67	6.3	6.7	
Riley.....	476	7.5	497	7.8	487	7.6	480	7.6	421	7.0	7.5	
Rooks.....	45	7.9	44	7.8	40	7.1	49	8.6	23	4.1	7.1	
Rush.....	17	5.0	24	7.0	26	7.7	24	6.8	30	8.6	7.0	
Russell.....	41	5.4	51	6.7	45	6.0	62	8.4	60	8.4	7.0	
Saline.....	434	8.4	489	9.5	523	10.2	423	7.9	477	8.9	9.0	
Scott.....	34	6.8	42	8.4	37	7.5	47	9.2	43	8.6	8.1	
Sedgwick.....	4,013	9.1	3,956	8.8	3,965	8.8	3,890	8.6	3,912	8.6	8.8	
Seward.....	217	10.8	193	9.7	214	10.6	209	9.3	274	12.2	10.5	
Shawnee.....	1,270	7.7	1,257	7.6	1,379	8.1	1,382	8.1	1,326	7.8	7.9	
Sheridan.....	22	8.0	18	6.6	12	4.5	15	5.3	10	3.7	5.6	
Sherman.....	62	9.4	40	6.1	48	7.4	51	7.5	43	6.6	7.4	
Smith.....	30	6.4	36	7.8	46	10.1	36	7.9	40	9.0	8.2	
Stafford.....	25	4.9	31	6.2	31	6.2	22	4.6	26	5.5	5.5	
Stanton.....	18	7.7	16	7.1	12	5.4	18	7.5	20	8.3	7.2	
Stevens.....	58	10.7	51	9.5	37	6.9	47	8.6	52	9.7	9.1	
Sumner.....	194	7.2	228	8.4	235	8.6	212	8.2	194	7.5	8.0	
Thomas.....	78	9.5	42	5.2	66	8.3	50	6.1	53	6.6	7.1	
Trego.....	23	6.9	29	8.8	22	6.7	33	9.9	23	7.2	7.9	
Wabaunsee.....	33	4.9	42	6.3	41	6.2	36	5.2	33	4.8	5.5	
Wallace.....	21	11.7	11	6.1	12	6.7	13	7.4	12	7.0	7.8	
Washington.....	49	7.4	51	7.9	29	4.5	41	6.3	52	8.2	6.9	
Wichita.....	15	5.5	18	6.8	15	5.8	16	6.3	28	11.0	7.1	
Wilson.....	85	8.3	81	7.9	85	8.2	92	8.9	59	5.8	7.8	
Woodson.....	23	5.8	34	8.5	32	8.2	20	5.3	32	8.5	7.3	
Wyandotte.....	1,330	8.7	1,271	8.3	1,297	8.6	1,310	8.3	1,351	8.6	8.5	
Peer Group												
Frontier	721	7.3	707	7.2	717	7.4	723	7.3	708	7.3	7.3	
Rural	2,154	7.5	2,120	7.3	2,118	7.4	2,132	7.3	2,008	7.0	7.3	
Densely -Settled Rural	3,390	8.1	3,343	7.9	3,456	8.1	3,226	7.5	3,407	7.9	7.9	
Semi-Urban	4,281	8.2	4,454	8.4	4,655	8.8	4,344	8.1	4,377	8.2	8.3	
Urban	9,991	7.9	9,779	7.6	9,959	7.6	10,001	7.5	9,957	7.4	7.6	

* Rate per 1,000 population

** See Technical Notes for Peer Group definition.

Occurrence data

Table 56
 Marriage Dissolutions by Number And Rate*
 By County of Action And By Peer Group**
 Kansas, 1997-2001

County of Action	Year										5-Year Rate	
	1997		1998		1999		2000		2001			
	Number	Rate										
Kansas.....	10,618	4.1	10,363	3.9	9,926	3.7	10,105	3.8	9,885	3.7	3.8	
Allen.....	29	2.0	30	2.1	39	2.7	44	3.1	36	2.5	2.5	
Anderson.....	58	7.2	27	3.3	33	4.1	41	5.1	35	4.3	4.8	
Atchison.....	93	5.7	73	4.3	58	3.4	65	3.9	78	4.7	4.4	
Barber.....	13	2.4	27	5.1	24	4.6	27	5.1	26	5.0	4.4	
Barton.....	90	3.2	87	3.1	70	2.4	56	2.0	62	2.2	2.6	
Bourbon.....	66	4.3	54	3.5	65	4.3	61	4.0	57	3.7	4.0	
Brown.....	36	3.3	35	3.2	30	2.7	47	4.4	33	3.1	3.3	
Butler.....	242	4.0	231	3.7	196	3.1	238	4.0	173	2.9	3.5	
Chase.....	4	1.4	5	1.7	8	2.8	6	2.0	1	0.3	1.6	
Chautauqua.....	22	5.0	19	4.4	16	3.7	22	5.0	25	5.9	4.8	
Cherokee.....	80	3.5	84	3.7	66	2.9	56	2.5	61	2.7	3.1	
Cheyenne.....	15	4.7	14	4.4	9	2.8	12	3.8	13	4.2	4.0	
Clark.....	8	3.3	12	5.1	3	1.3	5	2.1	10	4.2	3.2	
Clay.....	32	3.5	21	2.3	32	3.6	40	4.5	30	3.4	3.5	
Cloud.....	38	3.7	30	3.0	38	3.8	49	4.8	41	4.1	3.9	
Coffey.....	138	15.8	150	17.2	124	14.2	151	17.0	112	12.7	15.4	
Comanche.....	0	0.0	0	0.0	6	3.1	4	2.0	2	1.0	1.2	
Cowley.....	192	5.2	206	5.7	162	4.4	195	5.4	191	5.3	5.2	
Crawford.....	175	4.9	178	4.9	180	5.0	185	4.8	136	3.6	4.6	
Decatur.....	11	3.1	11	3.2	9	2.7	6	1.7	9	2.6	2.7	
Dickinson.....	84	4.3	86	4.4	103	5.2	89	4.6	90	4.7	4.6	
Doniphan.....	26	3.4	19	2.4	39	4.9	22	2.7	36	4.3	3.5	
Douglas.....	392	4.3	381	4.1	393	4.0	344	3.4	286	2.9	3.7	
Edwards.....	18	5.3	9	2.7	7	2.1	15	4.3	8	2.4	3.4	
Elk.....	12	3.6	6	1.8	24	7.1	19	5.8	21	6.6	5.0	
Ellis.....	108	4.1	103	3.9	96	3.6	116	4.2	110	4.0	4.0	
Ellsworth.....	38	6.0	53	8.4	57	9.2	54	8.3	58	8.9	8.2	
Finney.....	170	4.7	146	4.0	161	4.3	137	3.4	148	3.7	4.0	
Ford.....	105	3.6	107	3.6	130	4.4	112	3.5	104	3.2	3.7	
Franklin.....	134	5.6	91	3.7	136	5.4	110	4.4	131	5.3	4.9	
Geary.....	285	11.3	235	9.3	260	10.4	225	8.1	228	8.5	9.5	
Gove.....	3	1.0	3	1.0	3	1.0	8	2.6	6	2.0	1.5	
Graham.....	16	4.9	15	4.7	3	1.0	9	3.1	17	6.0	3.9	
Grant.....	33	4.2	26	3.2	42	5.3	25	3.2	27	3.5	3.9	
Gray.....	17	3.1	13	2.3	12	2.2	11	1.9	11	1.8	2.3	
Greeley.....	5	2.9	8	4.7	6	3.6	7	4.6	0	0.0	3.2	
Greenwood.....	32	4.0	30	3.7	48	6.0	39	5.1	33	4.2	4.6	
Hamilton.....	4	1.8	6	2.6	11	4.6	16	6.0	18	6.7	4.3	
Harper.....	20	3.1	21	3.3	19	3.0	20	3.1	12	1.9	2.9	
Harvey.....	109	3.5	86	2.5	137	4.0	38	1.2	120	3.6	3.0	
Haskell.....	12	3.0	18	4.5	10	2.5	9	2.1	6	1.4	2.7	
Hodgeman.....	3	1.3	6	2.7	3	1.3	3	1.4	3	1.4	1.6	
Jackson.....	40	3.3	44	3.6	36	3.0	36	2.8	53	4.2	3.4	
Jefferson.....	55	3.1	60	3.3	52	2.9	68	3.7	60	3.2	3.2	
Jewell.....	11	2.8	12	3.1	13	3.4	17	4.5	8	2.2	3.2	
Johnson.....	661	1.6	501	1.2	458	1.0	469	1.0	427	0.9	1.1	
Kearny.....	14	3.3	3	0.7	13	3.1	8	1.8	5	1.1	2.0	
Kingman.....	36	4.2	38	4.4	23	2.7	27	3.1	24	2.8	3.4	
Kiowa.....	3	0.9	5	1.4	5	1.5	6	1.8	7	2.2	1.6	
Labette.....	96	4.2	120	5.2	117	5.1	129	5.6	96	4.3	4.9	
Lane.....	12	5.5	12	5.3	8	3.7	4	1.9	10	4.8	4.2	
Leavenworth.....	184	2.6	139	1.9	86	1.2	156	2.3	205	2.9	2.2	
Lincoln.....	5	1.5	13	3.9	9	2.7	9	2.5	5	1.4	2.4	
Linn.....	50	5.5	45	4.9	21	2.3	33	3.4	34	3.5	3.9	
Logan.....	10	3.3	14	4.7	6	2.0	4	1.3	15	5.1	3.3	

Table 56
 Marriage Dissolutions by Number And Rate*
 By County of Action And By Peer Group**
 Kansas, 1997-2001

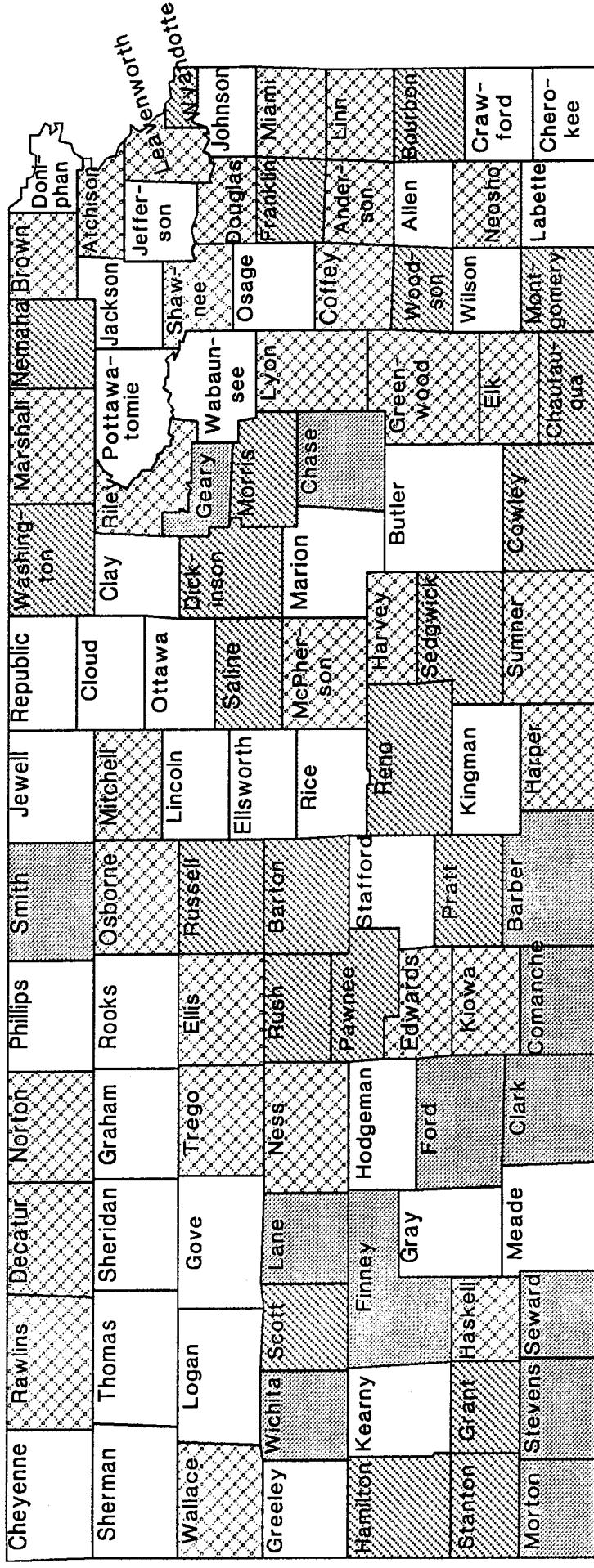
County of Action	Year										5-Year Rate	
	1997		1998		1999		2000		2001			
	Number	Rate										
Lyon.....	79	2.3	41	1.2	51	1.5	38	1.1	53	1.5	1.5	
Marion.....	51	3.9	47	3.5	39	2.9	39	2.9	28	2.1	3.1	
Marshall.....	33	3.0	28	2.5	26	2.4	36	3.3	48	4.5	3.1	
McPherson.....	80	2.9	71	2.5	76	2.6	95	3.2	113	3.8	3.0	
Meade.....	16	3.6	12	2.7	8	1.8	10	2.2	9	1.9	2.4	
Miami.....	77	2.9	74	2.8	55	2.0	55	1.9	44	1.5	2.2	
Mitchell.....	32	4.6	16	2.3	25	3.6	28	4.0	24	3.5	3.6	
Montgomery.....	192	5.2	183	4.9	177	4.8	156	4.3	153	4.3	4.7	
Morris.....	22	3.6	21	3.4	27	4.4	20	3.3	26	4.3	3.8	
Morton.....	17	5.0	8	2.3	16	4.6	13	3.7	8	2.4	3.6	
Nemaha.....	27	2.6	33	3.3	23	2.3	26	2.4	37	3.5	2.8	
Neosho.....	52	3.1	70	4.2	69	4.1	63	3.7	108	6.4	4.3	
Ness.....	12	3.3	16	4.4	9	2.5	11	3.2	11	3.3	3.3	
Norton.....	43	7.4	32	5.6	22	3.9	32	5.4	36	6.2	5.7	
Osage.....	59	3.5	57	3.3	76	4.4	87	5.2	55	3.3	3.9	
Osborne.....	14	3.1	22	4.7	19	4.1	11	2.5	15	3.5	3.6	
Ottawa.....	15	2.6	19	3.2	22	3.7	16	2.6	22	3.6	3.1	
Pawnee.....	25	3.5	30	4.0	26	3.6	44	6.1	28	4.0	4.2	
Phillips.....	31	5.1	20	3.3	26	4.4	32	5.3	31	5.3	4.7	
Pottawatomie.....	72	4.0	57	3.0	53	2.8	51	2.8	50	2.7	3.1	
Pratt.....	44	4.5	42	4.3	43	4.5	37	3.8	41	4.3	4.3	
Rawlins.....	13	4.0	4	1.3	8	2.7	3	1.0	14	4.8	2.8	
Reno.....	432	6.9	457	7.2	411	6.5	387	6.0	367	5.7	6.5	
Republic.....	26	4.2	15	2.5	12	2.0	26	4.5	19	3.4	3.3	
Rice.....	26	2.6	31	3.0	32	3.1	29	2.7	27	2.6	2.8	
Riley.....	238	3.8	199	3.1	184	2.9	175	2.8	168	2.8	3.1	
Rooks.....	13	2.3	14	2.5	17	3.0	11	1.9	16	2.9	2.5	
Rush.....	9	2.6	7	2.1	9	2.7	15	4.2	4	1.1	2.5	
Russell.....	21	2.8	22	2.9	24	3.2	29	3.9	19	2.7	3.1	
Saline.....	301	5.8	312	6.0	288	5.6	333	6.2	340	6.3	6.0	
Scott.....	29	5.8	23	4.6	11	2.2	17	3.3	12	2.4	3.7	
Sedgwick.....	2,850	6.5	2,906	6.5	2,770	6.1	2,877	6.4	3,004	6.6	6.4	
Seward.....	84	4.2	98	4.9	98	4.9	112	5.0	79	3.5	4.5	
Shawnee.....	727	4.4	750	4.5	689	4.0	713	4.2	684	4.0	4.2	
Sheridan.....	11	4.0	5	1.8	11	4.1	8	2.8	9	3.3	3.2	
Sherman.....	41	6.2	37	5.7	39	6.0	34	5.0	33	5.1	5.6	
Smith.....	12	2.6	13	2.8	10	2.2	12	2.6	4	0.9	2.2	
Stafford.....	17	3.3	21	4.2	16	3.2	11	2.3	5	1.1	2.8	
Stanton.....	9	3.9	5	2.2	8	3.6	11	4.6	8	3.3	3.5	
Stevens.....	29	5.4	29	5.4	34	6.3	32	5.9	35	6.5	5.9	
Sumner.....	95	3.5	76	2.8	84	3.1	96	3.7	65	2.5	3.1	
Thomas.....	36	4.4	31	3.9	33	4.1	32	3.9	29	3.6	4.0	
Trego.....	6	1.8	11	3.4	13	4.0	20	6.0	2	0.6	3.2	
Wabaunsee.....	14	2.1	16	2.4	16	2.4	17	2.5	13	1.9	2.3	
Wallace.....	4	2.2	6	3.3	4	2.2	1	0.6	2	1.2	1.9	
Washington.....	16	2.4	13	2.0	16	2.5	10	1.5	10	1.6	2.0	
Wichita.....	2	0.7	7	2.6	7	2.7	7	2.8	2	0.8	1.9	
Wilson.....	66	6.4	48	4.7	61	5.9	67	6.5	48	4.7	5.6	
Woodson.....	13	3.3	14	3.5	13	3.3	11	2.9	12	3.2	3.2	
Wyandotte.....	340	2.2	526	3.5	405	2.7	405	2.6	362	2.3	2.7	
Peer Group												
Frontier	292	2.9	297	3.0	292	3.0	307	3.1	272	2.8	3.0	
Rural	1,272	4.4	1,172	4.1	1,144	4.0	1,240	4.3	1,133	3.9	4.1	
Densely -Settled Rural	1,636	3.9	1,604	3.8	1,614	3.8	1,654	3.8	1,599	3.7	3.8	
Semi-Urban	2,448	4.7	2,226	4.2	2,161	4.1	2,096	3.9	2,118	4.0	4.2	
Urban	4,970	3.9	5,064	3.9	4,715	3.6	4,808	3.6	4,763	3.5	3.7	

* Rate per 1,000 population

** See Technical Notes for Peer Group definition.

Occurrence data

Marriage Rates By County Of Occurrence Kansas, 2001



Marriages Per 1,000 Population

State Rate: 7.6

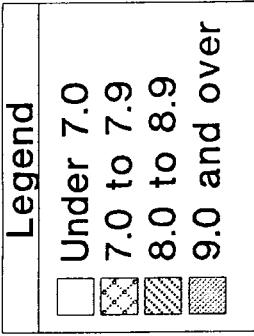
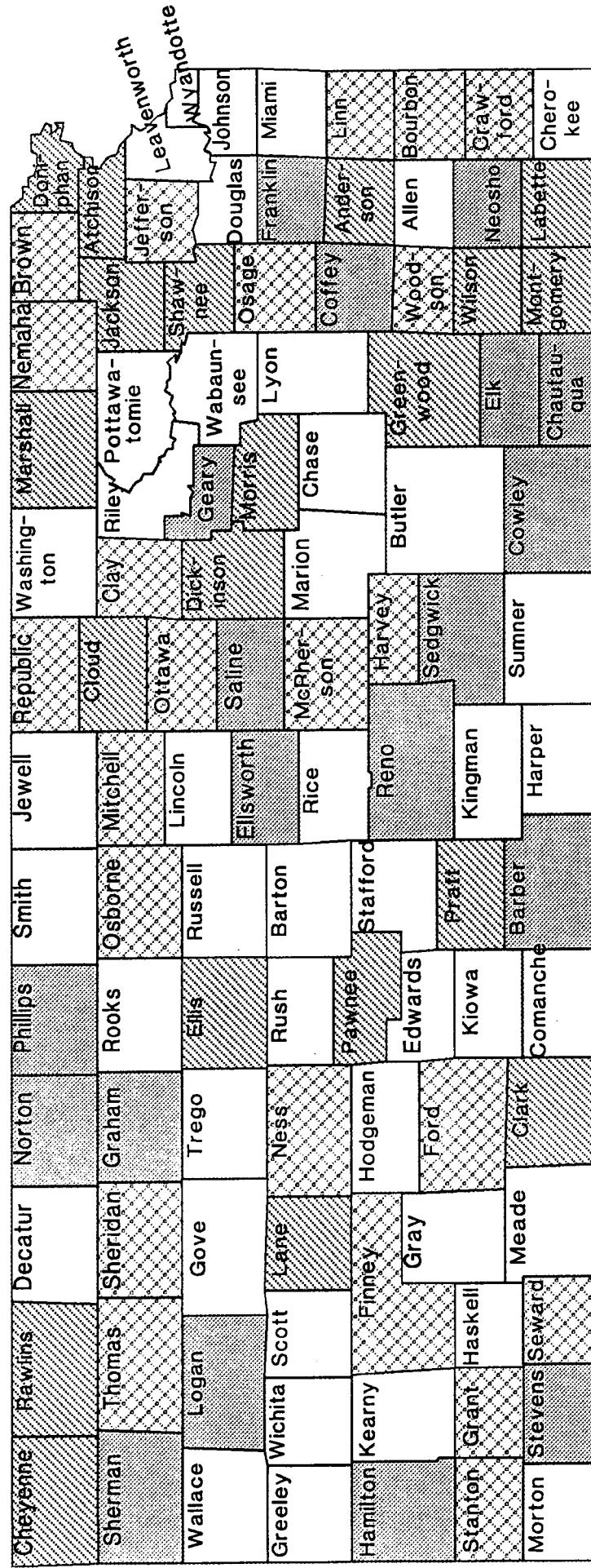


Figure 37

Marriage Dissolution Rates By County Of Occurrence Kansas, 2001



Marriage Dissolutions Per 1,000 Population

State Rate: 3.7

Legend
Under 3.0
3.0 to 3.9
4.0 to 4.9
5.0 to 15.8

Figure 38

Marriage Rates

Kansas and the U.S., 1951-2001

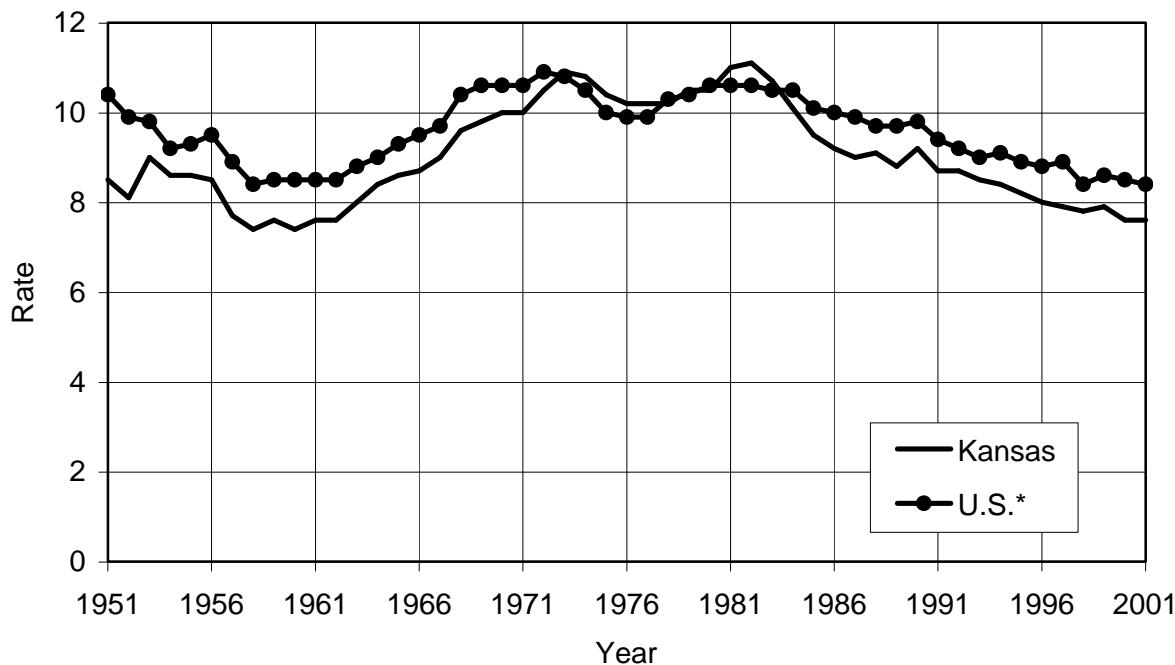


Figure 39

*1991-2001 Rates Provisional.

Rate per 1,000 Population

Occurrence Data

Marriage Dissolution Rates

Kansas and the U.S., 1951-2001

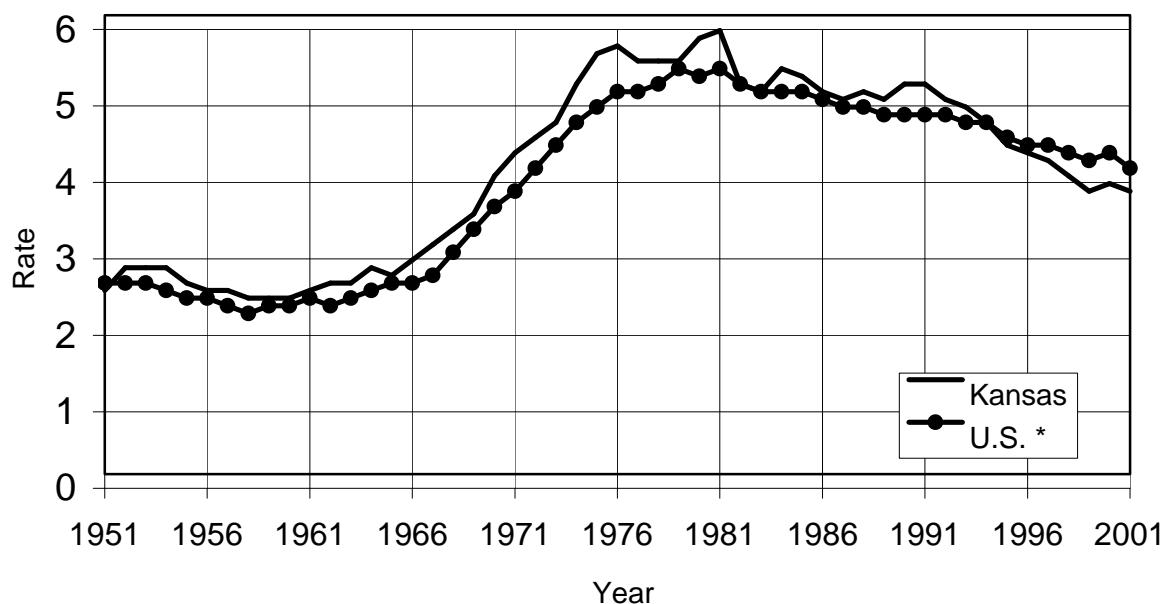


Figure 40

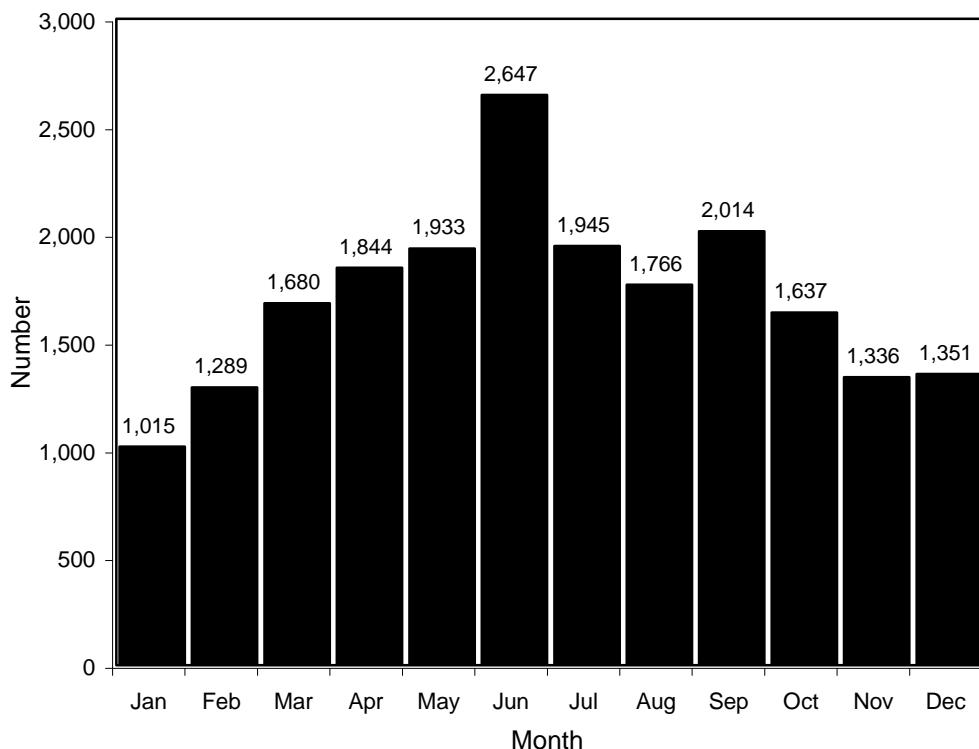
*1991-2001 Rates Provisional.

Rate per 1,000 Population

Occurrence Data

Number of Marriages by Month

Kansas, 2001



Occurrence data

Figure 41

Table 57
Marriages By Premarital Status Of Bride
By Premarital Status Of Groom
Kansas, 2001

Premarital Status of Groom	Total	Premarital Status of Bride				
		Never Married	Divorced	Annulled	Widowed	Not Stated
Total.....	20,457	12,650	6,938	145	648	76
Never Married.....	12,941	10,591	2,171	58	91	30
Divorced.....	6,709	1,942	4,416	62	282	7
Annulled.....	130	56	46	20	7	1
Widowed.....	621	51	299	4	267	0
Not Stated.....	56	10	6	1	1	38

Occurrence data

Table 58
Marriages By Age-Group Of Bride By Age-Group Of Groom
Kansas, 2001

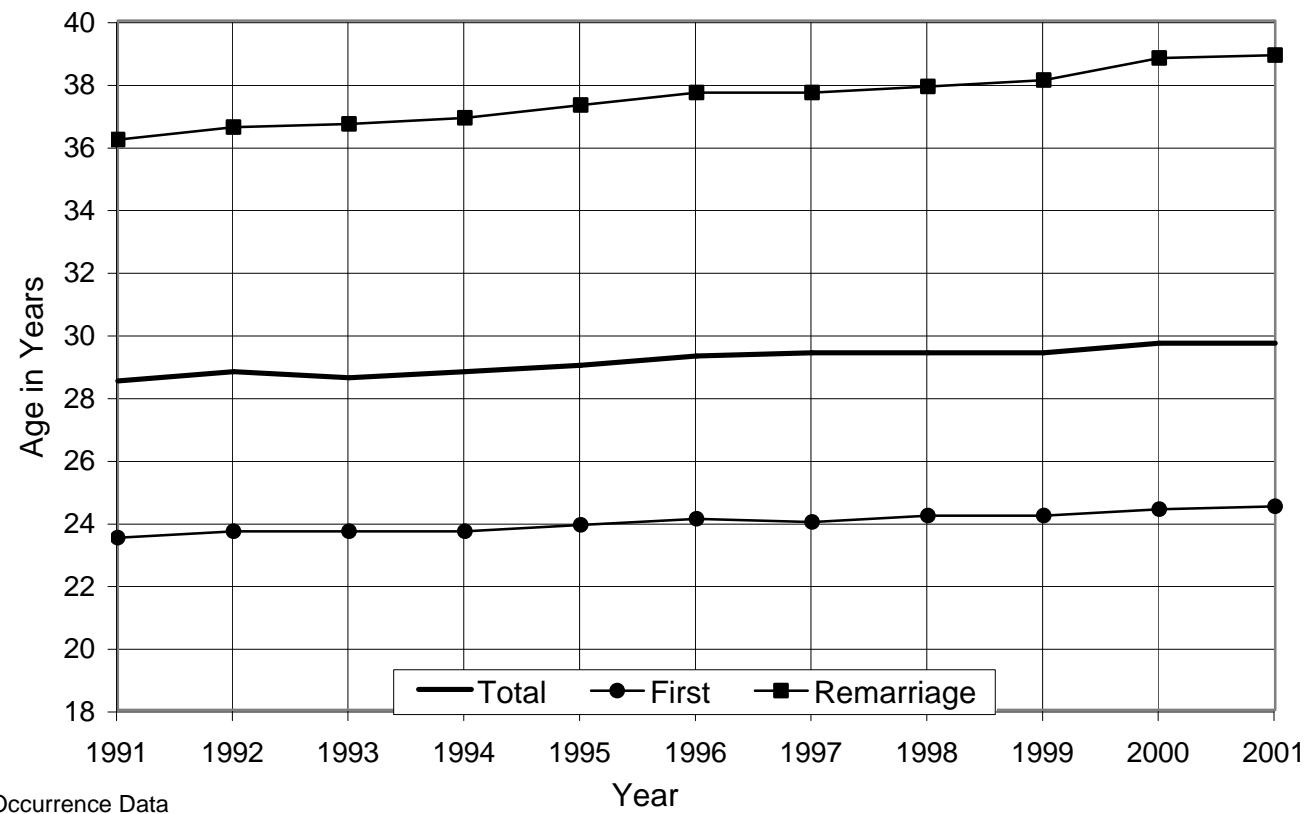
Age-Group of Groom	Total	Age-Group of Bride											Not Stated			
		Under 15	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75 & Over	
Total.....	20,457	6	2,013	6,820	3,920	2,392	1,740	1,392	888	550	277	182	100	84	89	4
Under 15.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15-19.....	792	4	526	224	27	8	1	0	0	0	0	0	0	0	0	0
20-24.....	5,781	2	1,166	3,814	613	137	37	6	4	0	0	1	0	0	0	0
25-29.....	4,734	0	232	1,978	1,784	512	154	53	17	4	0	0	0	0	0	0
30-34.....	2,804	0	58	541	934	788	303	137	29	11	2	1	0	0	0	0
35-39.....	1,951	0	12	166	350	548	538	242	71	17	7	0	0	0	0	0
40-44.....	1,521	0	12	69	149	243	378	428	178	49	11	3	1	0	0	0
45-49.....	1,091	0	4	16	39	105	201	308	285	98	23	10	0	0	1	1
50-54.....	714	0	1	6	15	37	99	142	181	170	41	16	5	1	0	0
55-59.....	394	0	1	5	8	9	20	53	81	113	83	16	2	2	1	0
60-64.....	231	0	0	0	1	3	4	15	27	53	50	64	11	2	0	1
65-69.....	153	0	0	0	0	1	1	3	11	18	32	34	42	6	5	0
70-74.....	128	0	0	0	0	0	0	2	1	4	9	20	24	23	32	13
75 & Over.....	159	0	0	0	0	0	0	2	3	0	7	8	13	16	41	69
Not Stated.....	4	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0

Occurrence data

Average Age at Marriage

Kansas, 1991-2001

Bride



Groom

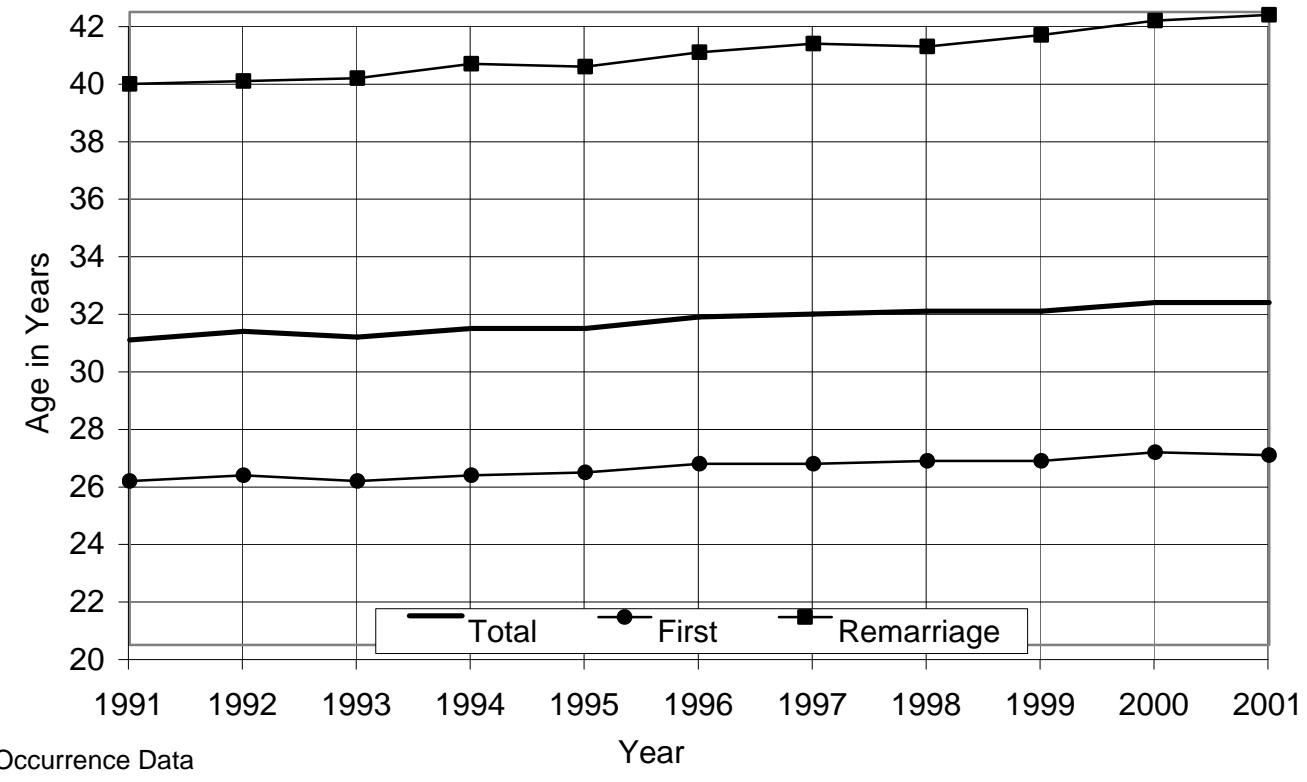


Figure 42

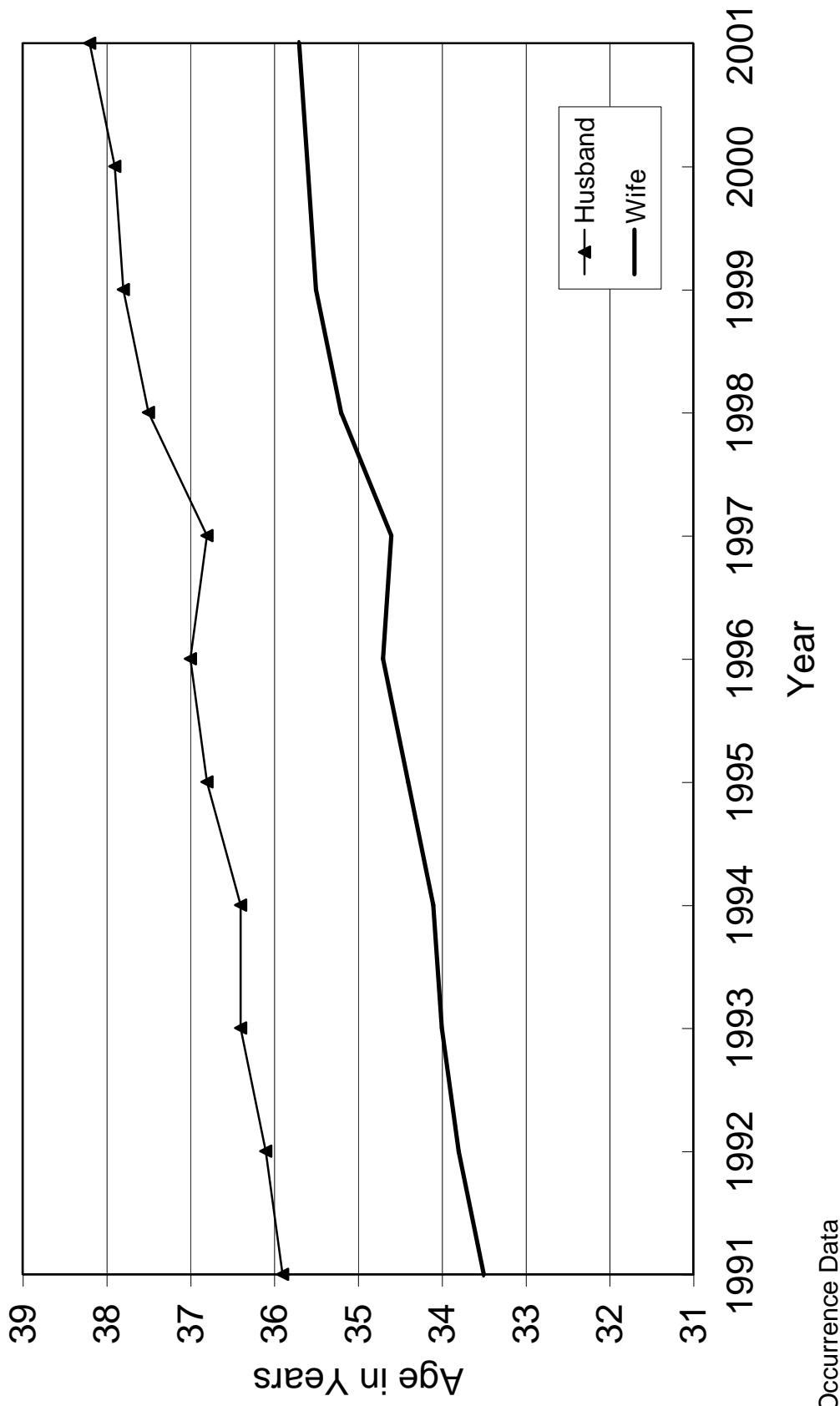
Table 59
Marriage Dissolutions by Age-Group of Wife by Age-Group of Husband
Kansas, 2001

Age-Group of Husband	Total	Age-Group of Wife										Not Stated				
		Under 15	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75 & Over	
Total.....	9,885	3	100	1,309	1,646	1,692	1,595	1,410	911	476	236	101	69	28	28	281
Under 15.....	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
15-19.....	33	0	16	14	0	1	0	1	0	0	0	0	0	0	0	1
20-24.....	820	0	64	580	115	24	9	4	1	0	0	0	0	0	0	23
25-29.....	1,581	2	16	509	763	185	54	20	4	2	0	0	0	0	0	26
30-34.....	1,601	0	3	126	505	667	179	58	20	3	1	0	0	0	0	39
35-39.....	1,669	0	0	39	156	492	635	226	69	16	0	0	0	0	0	36
40-44.....	1,434	0	0	15	48	191	445	514	143	33	13	3	0	0	0	29
45-49.....	1,098	0	0	5	17	70	158	379	323	88	22	8	0	0	0	28
50-54.....	707	0	0	2	8	19	68	141	231	176	39	6	2	0	0	15
55-59.....	339	0	0	0	3	6	20	32	75	100	75	12	6	0	0	10
60-64.....	169	1	0	0	3	3	6	7	17	31	54	31	7	1	1	7
65-69.....	109	0	0	0	0	1	1	10	7	13	15	24	28	4	3	3
70-74.....	60	0	0	0	0	0	0	2	3	4	9	13	12	10	4	1
75 & Over.....	60	0	0	1	19	28	33	18	15	7	2	2	12	13	19	2
Not Stated.....	204	0										2	2	0	1	61

Occurrence data

Average Age at Marriage Dissolution

Kansas, 1991-2001



Occurrence Data

Figure 43

Table 60
 Marriage Dissolutions
 By Duration of Marriage in Years
 Kansas, 2001

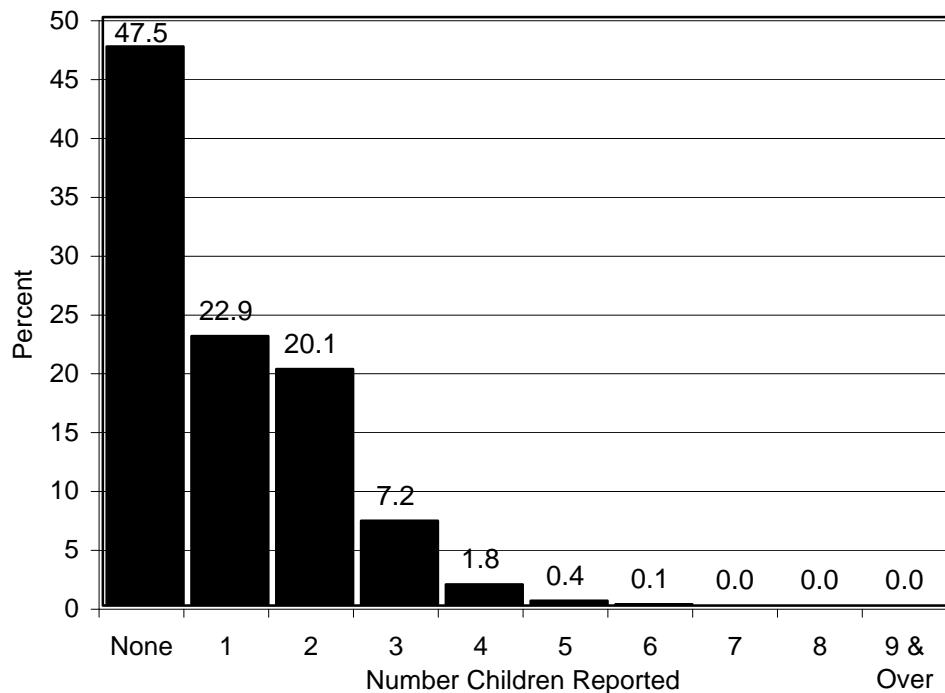
Duration of Marriage	Total	Divorces	Annulments
Total.....	9,885	9,587	298
Under 1.....	766	604	162
1.....	909	835	74
2.....	939	915	24
3.....	812	802	10
4.....	736	731	5
5.....	617	615	2
6.....	583	581	2
7.....	469	465	4
8.....	406	404	2
9.....	367	362	5
10.....	335	333	2
11.....	277	277	0
12.....	249	247	2
13.....	211	211	0
14.....	214	214	0
15.....	176	176	0
16.....	194	194	0
17.....	148	148	0
18.....	195	195	0
19.....	144	144	0
20-24.....	604	603	1
25-29.....	280	279	1
30-34.....	141	140	1
35-39.....	49	49	0
40 & Over.....	64	63	1
Not Stated.....	0	0	0

Occurrence data

Marriage Dissolutions:

Percent Distribution of Minor Children

Kansas, 2001



Occurrence data

Figure 44

Table 61
Marriage Dissolutions by Number of Minor Children Reported
and Number of Minor Children Affected
Kansas, 2001

Number of Minor Children Reported	Divorces		Annulments		Total Children Affected
	Number	Percent	Number	Percent	
Total.....	9,587	100.0	298	100.0	9,363
None.....	4,424	46.1	270	90.6	0
1	2,250	23.5	15	5.0	2,265
2	1,976	20.6	10	3.4	3,972
3	706	7.4	2	0.7	2,124
4 or More.....	231	2.4	1	0.3	1,002
Not Stated.....	0	0	0	0	0

*Represents the number of children involved in marriages ending in divorce or annulment.

Occurrence

Notes

Technical

Registration. The reporting of Kansas vital events to the Kansas Department of Health and Environment (KDHE) is mandated by law (K.S.A. 65-102). The filing of birth and death records was begun in 1911 and the registration of marriages and divorces was initiated in 1913 and 1951 respectively. Certificates of births, deaths, fetal deaths, marriages, marriage dissolutions, and reports of abortions are completed by the combined efforts of physicians, hospital personnel, funeral directors, and local courts. All certificates and reports are filed with the Office of Vital Statistics by direct reporting. Since registration of vital events began, over ten million records have been processed, filed and indexed.

Quality of Data. The quality of the analyses in the Annual Summary of Vital Statistics depends on the accuracy of the Kansas vital statistics data. The Office of Vital Statistics makes every effort to ensure the completeness and accuracy of the certificates filed. An interchange agreement with all 50 states and Canada ensures that vital events occurring to Kansas residents in other states or Canada are recorded. Tabulation of vital events for 2001 in-state occurrences is maintained through March 15, 2002, while out-of-state occurrences are maintained through May 1, 2002. Reports filed later consist of less than one percent of the total reports filed, are considered negligible, and are omitted from this report.

Data Quality Assurance Survey: Kansas Birth Registration, prepared by Fred Gatlin and Greg Crawford of KDHE's Center for Health and Environmental Statistics, compared birth certificate information to hospital medical records and surveyed hospital birth clerks to assess vital record data quality issues. This report at <http://www.kdhe.state.ks.us/ches/index.html#research> enables staff to focus on areas to improve data quality.

Residence vs Occurrence Data. Residence data is information compiled according to the usual residence regardless of where the event occurred (including events occurring out-of-state). Occurrence data is information compiled according to the geographical location where the event took place, regardless of the actual residence. Information compiled for births, fetal deaths, deaths and abortions in this report are residence data, while marriages and marriage dissolutions are occurrence data.

Peer Groups. For various demographic studies, it is useful to consider groups of counties with similar characteristics. "Peer Groups" of counties, as used in this summary, are defined as those with similar population density based on their 2000 actual census counts. In order to facilitate a time series comparison the assignment of counties to their peer group remains unchanged until the next decennial census. They will not necessarily have similar values for any other indicators. Frontier counties are defined as those with less than 6.0 persons per square mile, Rural counties as those with 6.0 - 19.9 persons per square mile,

Technical Notes (Cont.)

Densely-Settled Rural counties as those with 20.0 - 39.9 persons per square mile, Semi-Urban counties as those with 40.0 - 149.9 persons per square mile, and Urban counties as those with 150.0 or more persons per square mile. These definitions originated with the Kansas Department of Health and Environment, Office of Local and Rural Health, and should *not* be confused with the U.S. Census Bureau's definitions of urban and rural areas. Sources for calculation of population densities are population figures from the 2000 U.S. Census and land areas from the 2000 U.S. Census.

Counties are grouped in population density peer groups as follows:

Frontier			
Barber	Wallace	Republic	Labette
Chase	Wichita	Rice	Lyon
Cheyenne		Rooks	McPherson
Clark	Rural	Russell	Neosho
Comanche	Anderson	Scott	Osage
Decatur	Brown	Sherman	Pottawatomie
Edwards	Chautauqua	Stafford	Seward
Elk	Clay	Stevens	Sumner
Gove	Cloud	Thomas	
Graham	Coffey	Wabaunsee	Semi-Urban
Greeley	Ellsworth	Washington	Butler
Hamilton	Grant	Wilson	Crawford
Hodgeman	Gray	Woodson	Franklin
Jewell	Greenwood		Geary
Kearny	Harper	Densely-	Harvey
Kiowa	Haskell	Settled	Miami
Lane	Jackson	Rural	Montgomery
Lincoln	Kingman	Allen	Reno
Logan	Linn	Atchison	Riley
Meade	Marion	Barton	Saline
Morton	Marshall	Bourbon	
Ness	Mitchell	Cherokee	Urban
Osborne	Morris	Cowley	Douglas
Rawlins	Nemaha	Dickinson	Johnson
Rush	Norton	Doniphan	Leavenworth
Sheridan	Ottawa	Ellis	Sedgwick
Smith	Pawnee	Finney	Shawnee
Stanton	Phillips	Ford	Wyandotte
Trego	Pratt	Jefferson	

Population. State and county population estimates for 1997-1999 were obtained from the U.S. Bureau of the Census (U.S.C.B.) on the Internet at: <http://eire.census.gov/popest>.

Technical Notes (Cont.)

City population estimates for 1997-1999 were derived by the KDHE as in the following example for 1999:

$$\frac{1999 \text{ City Population}}{\text{County Population, 1998}} = \frac{\text{City Population, 1998}}{\text{County Population, 1998}} \times \frac{x}{1999 \text{ County Population}}$$

Actual population counts from the U.S.C.B. were obtained for 2000 on the internet at <http://www.census.gov/main/www/cen2000.html>. Population estimates for 2001 by the U.S.C.B. and certified by the Kansas Division of the Budget were obtained on the internet at: <http://da.state.ks.us/budget/ecodemo.htm>.

Population estimates by age-group and sex for 1991-1992 were obtained from the U.S. Bureau of the Census, Press Release CB92-93 and CB92-276, respectively. Population estimates for 1993-1996 were obtained from the Census and You, Vol. 29, No. 4, April 1994, Vol. 30, No. 4, April 1995, Vol. 31, No. 3, March, 1996 and Vol. 32, No. 7, July, 1997 U.S.C.B., respectively. Population estimates for 1997-1999 were obtained on the internet at: <http://eire.census.gov/popest/archives/1990.php>. Population counts for 2000 were obtained on the internet at <http://www.census.gov/main/www/cen2000.html>. These numbers were used in age-specific and age-adjusted calculations. Population by age-group and sex was not available from the U.S.C.B. for 2001 and was estimated by the Kansas Department of Health and Environment based on 2000 U.S. Census Bureau numbers.

Due to rounding and variation in estimation methods within the U.S. Census Bureau, some discrepancies may be found in population data. (Table 2 and Table 4) Usually differences are negligible and rarely result in discrepancies in the totals. We advise you to utilize state totals from the county population totals when a total population estimate is needed.

Female Population 10-19. Estimates of the Kansas female population for 1991-1999 were obtained from the U.S. Bureau of the Census, and actual population counts were used for 2000.

The 2001 state and county estimates for teenage females (10-14, 10-17, 15-19, 10-19) were compiled by the Kansas Department of Health and Environment based on 2000 U.S. Census Bureau numbers. In order to estimate the 2001 teenage female population for the various age groupings, the 2000 proportion for the age grouping within the total population had to be derived. These estimates were calculated as in the following example for 2001.

$$\frac{\text{Female Population 10-14 Year Age Group (2000)}}{\text{2000 Population All Ages}} = \frac{x}{\text{2001 Population All Ages}} = \frac{10-14 Year Age-Group (2001)}{}$$

Technical Notes (Cont.)

Deaths. Underlying causes of death in the 2000 Annual Summary of Vital Statistics are established through a system known as the International Classification of Diseases, 10th Revision (ICD-10). This system promotes uniformity and comparability in the collection and presentation of mortality or death data. Prior to 1999, Kansas used ICD-9 to report mortality statistics.

Periodically the classification system needs to be updated to address new diseases and reflect a better understanding of causes of death. The World Health Organization maintains ICD-10 and the National Center for Health Statistics (NCHS), which compiles national statistics, modifies ICD-10 for use by Kansas and other states.

One of the challenges in the conversion to a new classification system is comparability with statistics compiled under the old system. Because so much has changed, exact comparison is not possible. Not only have the number of causes of death doubled to over 8,000, but the rules of how a death is coded have changed. Greater knowledge of diseases like Alzheimer's and diabetes has resulted in coding rules changes that will increase the number of cases reported. The rules changes may also lower the number of deaths classified as pneumonia and influenza. Death data from 1999 forward are classified by ICD-10, and trends in mortality will be comparable.

Age-Adjusted Death Rates. Mortality rates, the number of deaths per 100,000 population, are a common way to report death statistics so that comparisons can be made from year to year or among geographic areas. Crude death rates compensate for the differences in population within the areas or time periods studied. Crude death rates, however, do not compensate for the different make up of compared populations. For example, some Kansas counties may have more older residents than other counties. To address this, statisticians prepare age-adjusted death rates. The direct method for calculating age-adjusted death rates was used in this report. Age-adjusting is a process by which the age composition of a population is defined as constant so that differences in age composition can be eliminated from the analysis. This is needed because older populations have higher death rates, merely because death rates increase with age. Age-adjusted rates allow for more meaningful comparison of the risk of mortality over time and among groups.

For decades Kansas and many other states have used the 1940 standard population for age-adjusting. Other states have used a 1970 or 1980 population standard. Moving to a 2000 population standard, as recommended by NCHS, will eliminate confusion and misunderstanding created by the use of various population standards. Age-adjusted rates calculated using the 1940 population standard can't be compared to rates created using the 2000 standard. Since the benefit from age-adjusting rates comes only from using the same population standard, comparison between different standards would produce misleading results. Kansas began using the 2000 population standard in the 1999 Annual Summary of Vital Statistics. As part of its implementation of the new age-adjusting population

Technical Notes (Cont.)

standard, the Center for Health and Environmental Statistics (CHES) produced the report *Age Standardization of Kansas Death*

Rates: Implications of the Year 2000 Standard. Copies can be obtained at the CHES Web site <http://www.kdhe.state.ks.us/ches/>.

Years of Potential Life Lost (YPLL). The YPLL, for this report, is a measurement of the number of years of potential life lost by each death occurring before the average life expectancy. This calculation provides more information on the societal impact of mortality. Years of life lost counts deaths at a younger age more heavily than those at older ages (e.g., the younger person has a greater potential for years left than an elderly person). YPLL were calculated by subtracting mid-point years of the 5-year age-groups from life expectancies for all Kansans and male and female Kansans as compiled by the Kansas Division of the Budget-State Demographer. The subtraction leaves a remainder - the years of potential life lost, which is then multiplied by the number of deaths in that particular age-group and subsequently all calculations for the five-year age-groups beginning with 0-4 and through over 85 are summed to provide the total years of life lost. In making the calculations, the age-groups with mid-points larger than the life expectancy were set to zero because they would not contribute years of life lost (e.g., they are over the life expectancy). For this report, the life expectancy for all Kansans is 77.11 years, males 73.61 and females 80.51 years.

Rate Reliability. Vital statistics are easily influenced by random variation and single-year rates can fluctuate from year to year. A multiple-year rate such as a five- or ten- year average of single-year rates would be more accurate in formulating conclusions on vital events. For example, between 1997 and 2001 the infant death rate for Kansas ranged from 6.7 to 7.4, while the 1997-2001 five-year infant death rate for Kansas was 7.1 infant deaths per 1,000 live births. A five or ten-year rate smooths some of the variation in single-year rates and would be a more reliable indicator of infant death rates in Kansas.

Rates based on a small or large number of events in a sparsely populated area can vary widely. To exemplify the variation that may occur with a small change in the number of events, in 2001 Greeley county was the least populated county in Kansas with 1,503 residents and Johnson county was the largest with 465,058 residents. With 15 deaths occurring in Greeley county in 2001, the crude death rate was 10.0 deaths per 1,000 population; whereas 2,855 deaths occurring in Johnson county resulted in a crude death rate of 6.1 deaths per 1,000 population. If five more deaths occurred in each county (e.g., multiple- death accident), Greeley county's crude death rate would have increased to 13.3, while Johnson county's rate would have increased by only a few hundredths and, with rounding, still remain 6.1 deaths per 1,000 population. Therefore, one must use caution when comparing rates of vital events between counties of extreme population size differences to avoid misleading conclusions.

Limitations of Pregnancy Outcome Data. Prior to 1994, all births occurring at Irwin Army Hospital to Ft. Riley residents were recorded for Geary county even when Riley was the county of residence. Beginning in 1994, these births are recorded to the appropriate county of residence.

Technical Notes (Cont.)

From July, 1970 through June, 1995, only hospitals in Kansas were required by K.S.A. 65-445 to keep and submit to the Secretary of the Department of Health and Environment written records of all pregnancies terminated in the hospital. During this reporting period, nonhospital providers reported terminations only on a voluntary basis. Although Kansas had a comprehensive coverage of providers, there could have been a small number of abortions not reported. This means that the data may have been, to a certain degree, underreported. However, effective July 1, 1995, the Kansas legislature amended K.S.A. 65-445 in Senate Bill 384 to broaden the record-keeping and reporting requirement to include every medical care facility and every person licensed to practice medicine and surgery.

Criteria for the Adequacy of Prenatal Care Utilization (APNCU) INDEX.

I. Month prenatal care began (Adequacy of Initiation of Prenatal Care)

Adequate Plus: 1st or 2nd month

Adequate: 3rd or 4th month

Intermediate: 5th or 6th month

Inadequate: 7th month or later, or no prenatal care

II. Proportion of the number of visits recommended by the American College of Obstetricians and Gynecologists (ACOG) received from the time prenatal care began until delivery (Adequacy of Received Services)

Adequate Plus: 110% or more

Adequate: 80% - 109%

Intermediate: 50% - 79%

Inadequate: less than 50%

III. Summary Adequacy of Prenatal Care Utilization Index

Adequate Plus: Prenatal care begun by the 4th month and 110% or more of recommended visits received

Adequate: Prenatal care begun by the 4th month and 80% - 109% of recommended visits received

Intermediate: Prenatal care begun by the 4th month and 50% - 79% of recommended visits received

Inadequate: Prenatal care begun after the 4th month or less than 50% of recommended visits received

The bibliographic reference relating to this index is: Kotelchuck, Milton. "An Evaluation of the Kessner Adequacy of Prenatal Care Index and a Proposed Adequacy of Prenatal Care Utilization Index.", American Journal of Public Health, 1994; 84(9): 1414-1420.

Handling of Unknowns. Items for which no response was provided are shown as "not stated" (N.S.) in the tables and graphs throughout this publication. To ensure the accuracy of the data, the "not stated" have been removed from totals when calculating percentages.

DEFINITIONS

The following terms, formulas and symbols are defined for more meaningful interpretations of the data contained in this report.

Abortion (induced termination of pregnancy):	The purposeful interruption of pregnancy with the intention other than to produce a live-born infant or to remove a dead fetus and which does not result in a live birth.
Adequacy of Prenatal Care Utilization (APNCU) Index:	An assessment of the adequacy of prenatal care measured by the APNCU Index (often referred to as the Kotelchuck Index), a composite measure based on gestational age of the newborn, the trimester prenatal care began, and the number of prenatal visits made.
Annulment:	The invalidation of a marriage contract.
Birth Weight:	The weight of the fetus or infant at the time of delivery.
Cause of Death:	The underlying cause of death, or that condition giving rise to the chain of events leading to death.
Congenital Anomalies:	Defects existing at and usually before birth regardless of causation.
Divorce:	The dissolution of a legally binding marriage contract.
Fetal Death:	Any complete expulsion or extraction from its mother of a product of human conception, the weight of which is in excess of 350 grams, irrespective of the duration of pregnancy, resulting in other than a live birth, and which is not an induced termination of pregnancy.
Hebdomadal Death:	The death of a live-born infant which occurs prior to the seventh day of life.
I.C.D. Code:	The cause-identifying number classified in the Tenth Revision of the <u>International Classification of Diseases</u> implemented by NCHS for deaths in 1999.
Infant Death:	The death of a live-born infant which occurs within the first year of life.

DEFINITIONS (Cont.)

Live Birth:	The complete expulsion or extraction of a product of human conception from its mother, irrespective of the duration of pregnancy, that, after such expulsion or extraction, shows any evidence of life such as breathing, heartbeat, pulsation of the umbilical cord, or voluntary muscle movement, whether or not the umbilical cord has been cut or the placenta attached.
Low Birth Weight:	Weight of a fetus or infant at delivery which is under 2,500 grams (less than five pounds, 8 ounces).
Marriage:	The legal union of a male and female.
Marriage Dissolution:	A marriage dissolved by either a divorce or an annulment.
Maternal Death:	The death of a mother caused by complications of pregnancy, childbirth and the puerperium.
Medical Procedure I:	Refers to use of the drug mifepristone as a pregnancy termination procedure.
Medical Procedure II:	Refers to use of the drug methotrexate as a pregnancy termination procedure.
Natural Increase:	Live births minus total deaths of a population within a given year.
Neonatal Death:	The death of a live-born infant which occurs prior to the twenty-eighth day of life.
Occurrence Data:	Vital statistics compiled on the basis of where the vital event happened.
Out-of-Wedlock Birth:	A birth occurring to a mother who is not married at the time of conception or at the time of birth or at any time between conception and birth.
Peer Group:	A group of counties with similar population densities in persons per square mile, as adopted by the Kansas Department of Health and Environment, Office of Local and Rural Health.
Perinatal Period III Death:	The aggregate total of fetal deaths (fetus weighs over 350 grams) and hebdomadal deaths (deaths that occur prior to the 7th day of life).

DEFINITIONS (Cont.)

Population Density:	The average number of inhabitants per square mile.
Prenatal Care:	Pregnancy-related health care services provided to a woman between conception and delivery.
Previous Pregnancy:	Includes all previous reported spontaneous Terminations, previous induced abortions, children born still living and children born now dead.
Puerperium:	Period of time after delivery, usually six to eight weeks, during which all maternal reproductive organs return to the normal pre-pregnancy condition.
Residence Data:	Vital statistics compiled on the basis of the usual place of residence of the person(s) to whom the vital event occurred.
Teenage Pregnancy:	A live birth, fetal death or abortion occurring to a female under 20 years of age.
Trimester:	A three-month period of time. First trimester care, for example, refers to care initiated in the first three months of pregnancy.
Very Low Birth Weight:	Weight of a fetus or infant at delivery which is under 1,500 grams (less than 3 pounds, 5 ounces).
Weeks Gestation:	The number of weeks between the last reported normal menses and the delivery of the fetus or infant.

RATES AND RATIOS

Abortion Ratio:	$\frac{\text{induced abortions}}{\text{live births}}$	x 1,000
Age-Adjusted Death Rate:	$\frac{\sum M_a P_a}{P}$	x 1,000 or 1000,000
Where	M _a = age-specific death rate per 1,000 or 100,000 population for a given age-group	
	P _a = standard population in a given age-group	
	P = total standard population	
Age-Specific Death Rate:	$\frac{\text{deaths in a specific age-group}}{\text{population in a specific age-group}}$	x 1,000
Age-Specific Fertility Rate:	$\frac{\text{live births in a specific age-group}}{\text{female population in a specific age-group}}$	x 1,000
Birth Rate:	$\frac{\text{live births}}{\text{total population}}$	x 1,000
Cause-Specific Death Rate:	$\frac{\text{cause-specific deaths}}{\text{total population}}$	x 100,000
Death Rate:	$\frac{\text{total deaths}}{\text{total population}}$	x 1,000
Divorce Rate:	$\frac{\text{divorces}}{\text{total population}}$	x 1,000
Marriage Dissolution Rate:	$\frac{\text{divorces and annulments}}{\text{total population}}$	x 1,000
Fertility Rate:	$\frac{\text{live births}}{\text{female population 15-44}}$	x 1,000
Fetal Death Rate:	$\frac{\text{fetal deaths}}{\text{live births + fetal deaths}}$	x 1,000
Hebdomadal Death Rate:	$\frac{\text{hebdomadal deaths}}{\text{live births}}$	x 1,000
Infant Death Rate:	$\frac{\text{infant deaths}}{\text{live births}}$	x 1,000
Marriage Rate:	$\frac{\text{marriages}}{\text{total population}}$	x 1,000

RATES AND RATIOS (Cont.)

Maternal Death Rate:	$\frac{\text{maternal deaths}}{\text{live births}}$	x 10,000
Natural Increase Rate:	live birth rate minus total death rate	
Neonatal Death Rate:	$\frac{\text{neonatal deaths}}{\text{live births}}$	x 1,000
Out-of-Wedlock Birth Ratio:	$\frac{\text{out-of-wedlock births}}{\text{live births}}$	x 100
Perinatal Period III Death Rate:	$\frac{\text{perinatal period III deaths}}{\text{live births} + \text{fetal deaths}}$	x 1,000
Teenage Pregnancy Rate:	live births, fetal deaths, abortions for females <u>in a specific age-group</u> female population in a specific age-group	x 1,000
Years of Potential Life Lost Rate	$\frac{\text{years of potential life lost}}{\text{population}}$	x 1,000

SYMBOLS AND ABBREVIATIONS

n.s.	not stated
n.a.	not available
n/a	not applicable
0.0	quantity or percent more than zero but less than 0.05.